

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

BEANS

CUCUMBER

TOMATO

PEAS

BEET

The INLAND SEED CO.
Spokane

SEED CO.

The ID
Sp

The **Inland Seed**
COMPANY
SPOKANE, WASH.

CORN

CAULIFLOWER

SEED CO.
Wash.

KOHL RABI

RADISH

The INT
Spo

WATERMELON

MUSKMELON

AND SEED CO.
Spokane, Wash.

CABBAGE

CO.

PUMPKIN

The INLAND
Spokane,

TURNIP

PEPPER

ONION

LETTUCE

The INLAND SEED
Spokane

CARROT

The INLAND SEED CO.
Spokane, Wash.

The INLAND SEED CO.
Spokane, Wash.

The INLAND SEED CO.
Spokane, Wash.

INLAND SEED CO.
Spokane, Wash.

1927

Spokane, Washington, January 1, 1927.

Dear Friends:

We take great pleasure in putting into your hands our twenty-seventh annual catalogue. Yes, we are the oldest seedhouse in Spokane and one of the oldest in the state. We have enjoyed a steady growth all our years and have retained many, many of our original customers.

You original customers, if you stop to review, have never found us guilty of the poor policy—exaggeration. This practice never pays, and no house can retain the same patronage over a period of years with it. We consider it a compliment that so many of you, our customers, are cranks on good seeds.

You know that as to price we are not the lowest, nor are we apt to be, for RELIABILITY is enclosed with each package of seed sent out by us, and this, Friends, requires care, patience, and an honest heart. For your sakes we strive to have low handling costs, and in this way have moderately priced articles.

Indeed we have been introducers to the northwest of new improved strains (we leave novelties alone) but never before a trial. These trials are made for us by farmers and commercial gardeners under their own local condition without the general public's knowledge. If the majority reports are unfavorable then that particular vegetable is forgotten by us even though we have calls for it. In other words, our trial grounds are real dirt farmers with different conditions with which to contend.

Perhaps you are not aware of the fact that the Government Department of Agriculture has spent much time and money studying the seed business. They have tried and tabulated over 1400 "different" varieties finding about 500 or one-third of them to be the same varieties, only having taken on local or trade names. We believe this to be deceptive and dishonest and do not follow the practice.

We know you will continue to use our seeds because, with favorable growing conditions they always produce the same satisfactory uniform crops.

We wish to thank you for your past patronage and wish you success in your undertakings of this year.

Cordially yours,

THE INLAND SEED COMPANY,

S120-122 Howard Street.

P. S.—Remember everyone, our willingness to accommodate all by answering your inquiries on any problem that is yours. Sometimes answers are delayed a few days as at times we are obliged to investigate. This service is a pleasure for us.

AGAIN WE LEAD THE SEED INDUSTRY IN THE NORTHWEST by appearing on the air over Station K H Q, five evenings a week giving service talks. If you have a radio listen for us at 6:15 p. m. If time permits we will answer questions.

WHEN YOU ORDER

Write name and address plainly.
Give postoffice and shipping point.

Include prepay charges if necessary.

Figure postage correctly.

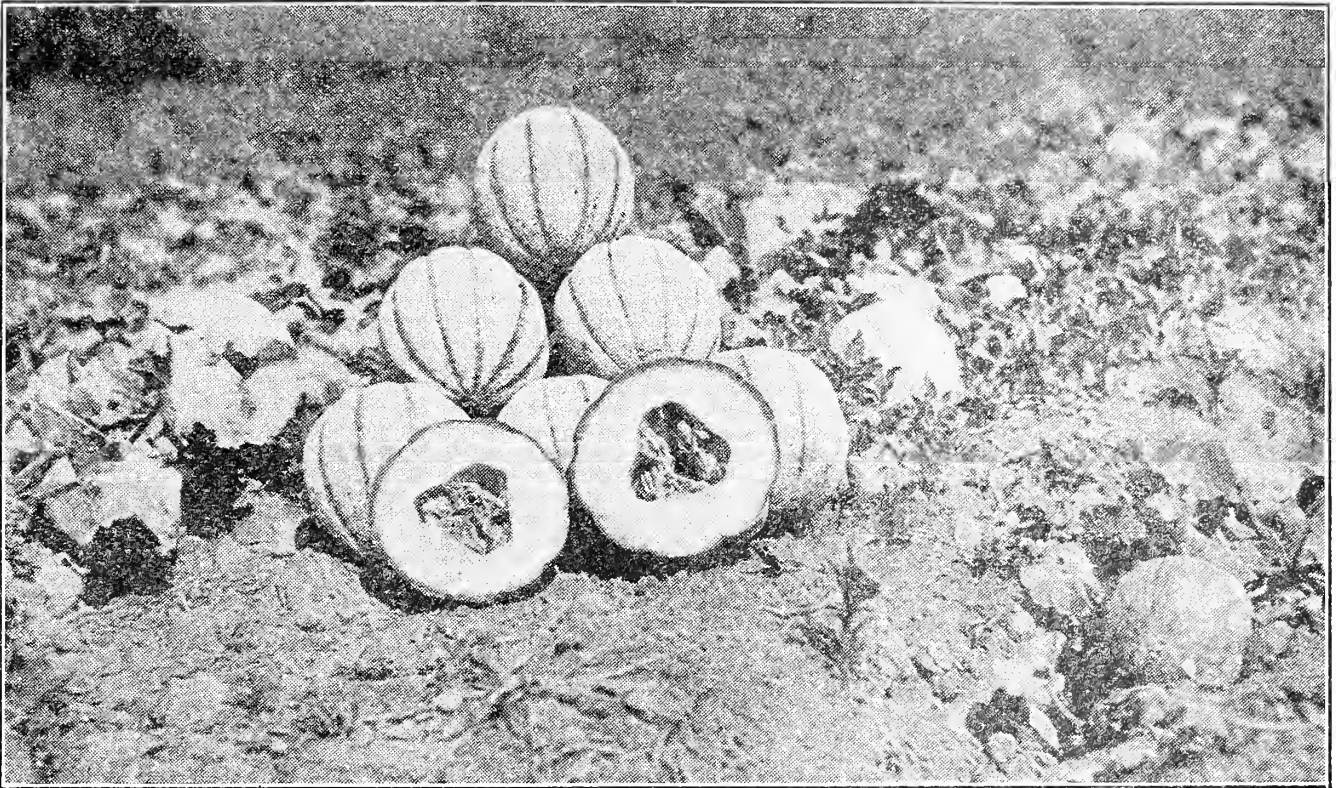
All orders strictly cash.

Plants not sent C. O. D.

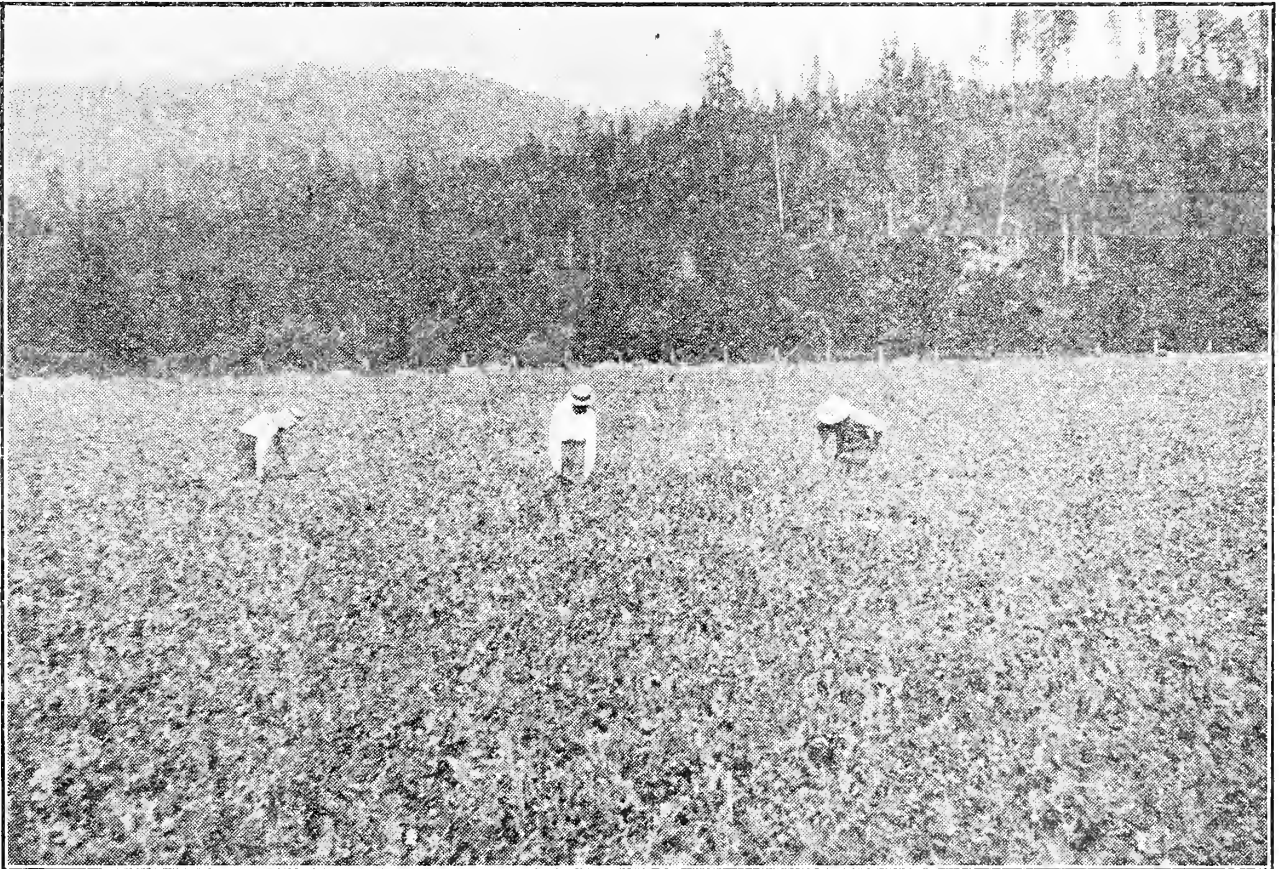
INSURANCE

Up to \$5.00.....	3c
From \$5.00 to \$25.00.....	5c
From \$25.00 to \$50.00.....	10c
From \$50.00 to \$100.00.....	25c

If you want your order insured add at above rates to your remittance. We are not responsible for goods after being delivered to P. O. or general carrier.



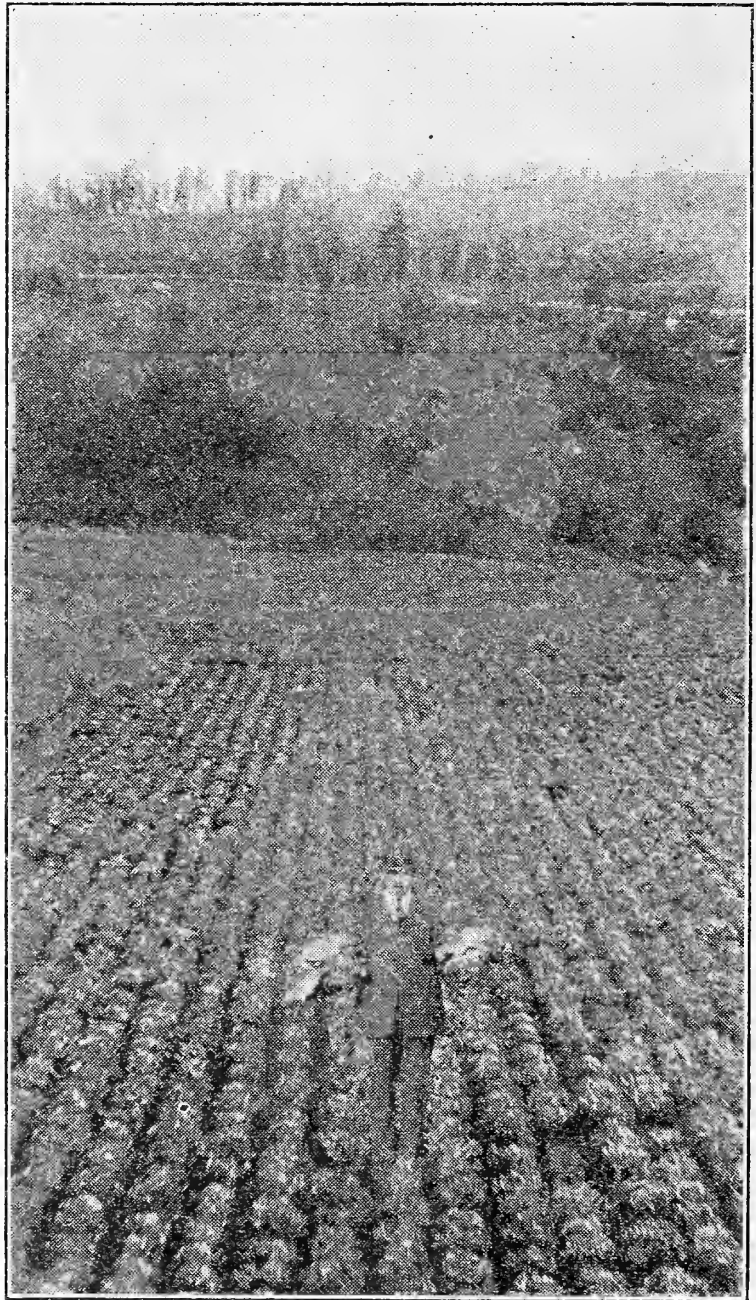
Hearts of Gold Muskmelons—See Page 18



A partial view of one of our pea fields being rogued. The distance of one man from another is accounted by the fact that there are very few foreign peas in this field

The accompanying cut shows a partial view of our field of New York Lettuce. Please note the uniformity of the heads, trueness to type and not a single plant showing any sign of going to seed. You will also notice that there does not appear to be a single head missing. This perfection has been attained by a thorough system of roguing and by eliminating every plant that does not reach our high ideal of what constitutes a perfect head.

We are justly proud of the reports received from the many gardeners who have grown this lettuce from our seed, and feel that we have been amply repaid for all our efforts in bringing this up to its present high standard. Our greatest satisfaction has been in the fact that we are furnishing an article second to none in the entire country. The market gardener can not be too careful in the quality of seeds he purchases, and we feel that we can not be too careful in order to produce seeds of the very highest quality.



SOURCE OF SUPPLY OF OUR SEEDS

It is a well known fact that certain countries and certain sections in these countries and certain growers of these countries produce much superior seeds, this, because of climatic conditions, soil and care bestowed.

Our seeds are either grown by ourselves or contracted with the most reliable growers in the best sections in the best countries. This year we are obtaining our supplies from Washington, Idaho, Oregon, California, Utah, Colorado, Kansas, Nebraska, New Jersey, Canada, Holland and England.

The Inland Seed Company's

1927 Seed Catalogue 1927

Seeds

ARTICHOKE TUBERS

Planted and cultivated the same as potatoes. Of great value for feeding stock. They are the best hog feed known. They are remarkable for their fattening properties, and great productiveness. One lb., postpaid, 20c; at purchaser's expense, 50 lbs., \$2.00; 100 lbs., \$3.50.

ASPARAGUS

CULTURE — Sow in early spring in rows; when one year old the roots may be taken up and transplanted in permanent beds, which should be made by taking out the soil to a depth of about 16 inches, fill in with six inches of well rotted stable manure, then six inches of soil somewhat firmed, and place the roots on the same about 10 inches apart with the roots well spread out and cover so that the crown will be about four inches below the surface.

PALMETTO—This variety is very desirable on account of its earliness, bright green color, presenting an attractive appearance, excellent flavor and productiveness. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.25.

WASHINGTON—This asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rust free. The shoots are thick and heavy. They are long and straight, with closely folded tips. The color is rich, dark green, tinted darker at the tips. It is a heavy yielder of exceptionally fine flavor.

Pkt., 15c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; ½ lb., \$1.50; 1 lb., \$2.75.

Beans

All Our Beans Are Hand Picked.

It is a fact worth emphasizing that in order to secure the best results from seeds that the seeds themselves should be fully matured, well developed, of good germination, and capable of strong, vigorous growth. In order to secure these very essential and necessary qualities, we are having our wax and green podded bush varieties grown in Washington and Idaho. In localities especially suited to their growth and culture.

CULTURE—Beans should not be planted until the ground is warm, as cold and wet weather will cause the seed to rot. For garden culture plant four or five seeds in hills one foot apart, in rows 18 inches apart. For field culture, make the rows 3 or 3½ feet apart, and cover with two inches mellow soil.

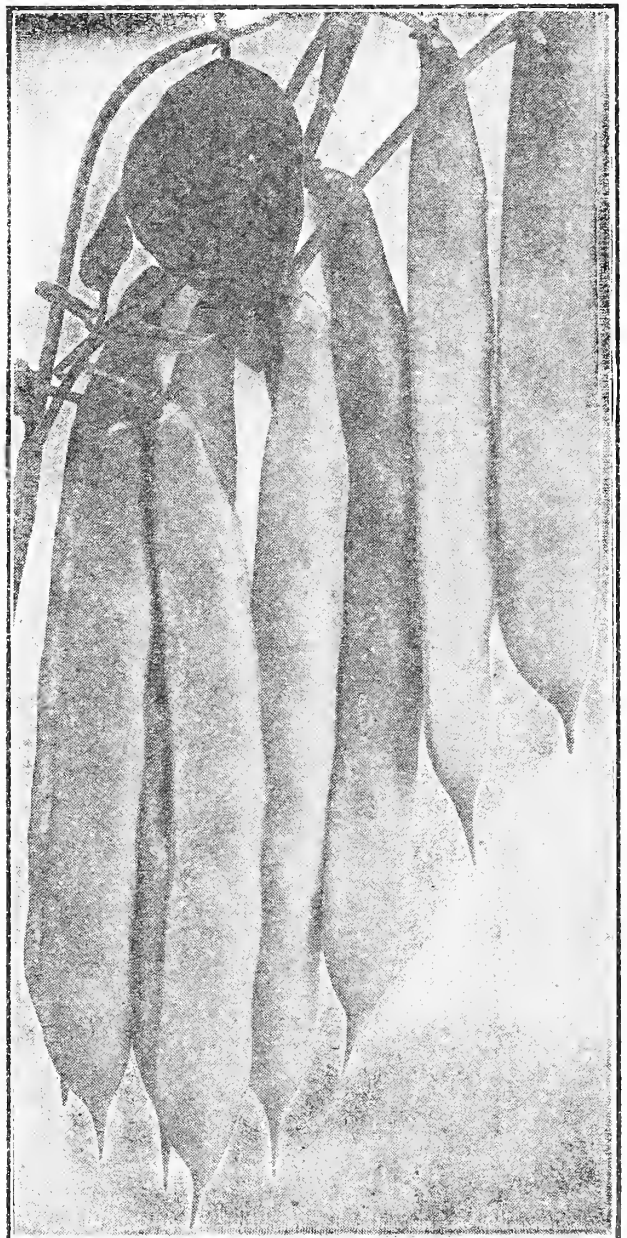
Bush, Wax Podded

Black Wax and Golden Wax, 30c lb., postpaid;

at purchaser's expense; 1 lb., 25c; 5 lbs., \$1.25. 10 lbs., \$2.50; 25 lbs., \$5.25; 50 lbs., \$8.50; 100 lbs., \$15.00.

BLACK WAX, PROLIFIC—This improved strain of Black Wax we offer under this name is exceptionally productive, very hardy, reliable and of the best quality. The pods are of medium length four and one-fourth to four and one-half inches, borne well up from the ground, curved cylindrical and fleshy. They are of a clear, light golden yellow color and remain a long time in condition for use as snaps. Seed small, oblong, jet black.

DAVIS WAX—This is also called White Kidney Wax. This variety is very desirable where a handsome wax-podded, white seeded intermediate sort is wanted. The pods are remarkably long, about six inches. They are handsome, light yellow, straight, very attractive and when young are crisp and tender. The dry beans are excellent for baking. Seed medium large, kidney shaped, clear white. 35c lb., postpaid; at purchaser's expense; 5 lbs., \$1.50; 10 lbs., \$3.00.



Golden Wax

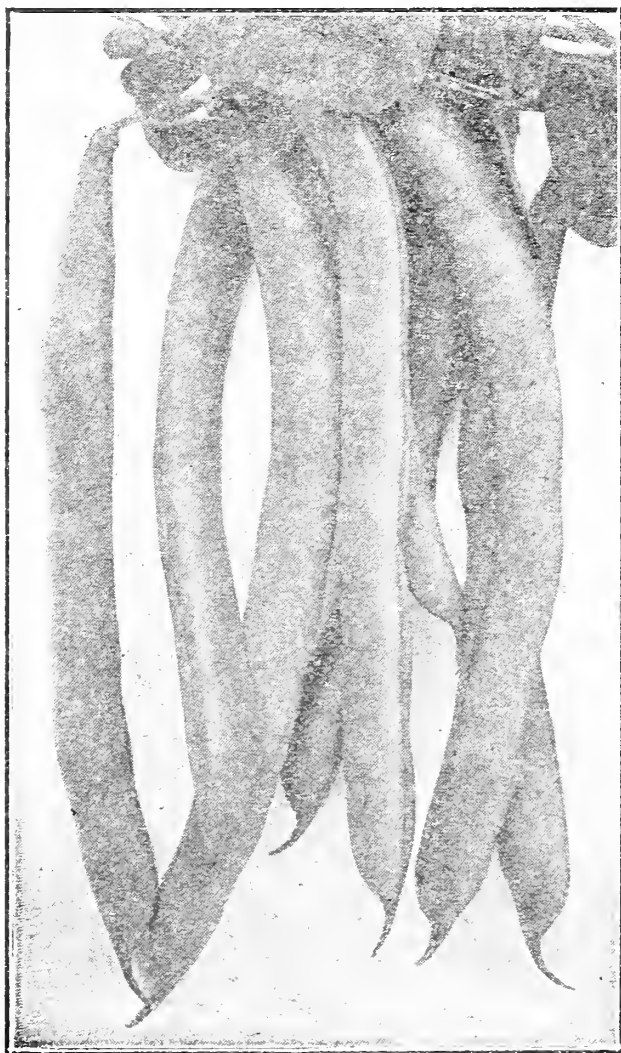
GOLDEN WAX IMPROVED—This is one of the earliest and best dwarf sorts for the home market and private gardens. The plants are erect, compact, and very productive. The pods are of medium length, four and one-half to five inches, nearly straight, broad, flat, golden yellow, very fleshy and waxlike. Seed medium sized, oval, white, more or less covered with two shades of purplish red. The amount and shade of color on this and all partially colored beans will be affected greatly by conditions of soil and ripening.

WARDELL'S KIDNEY WAX—This standard variety matures a little later than Golden Wax, yields a large crop of long, nearly straight, broad, light golden yellow-handsome pods. These are of large size, about six inches long, and are of good quality. The plants are strong growing and bear their long pods well up from the ground. Seed large, flattened, kidney shaped, white, with dark markings about the eye. 35c, postpaid; at purchaser's expense; 5 lbs., \$1.50; 10 lbs., \$3.00.

Black Wax and Golden Wax, 30c lb., postpaid; at purchaser's expense: 1 lb., 25c; 5 lbs., \$1.25; 10 lbs., \$2.50; 25 lbs., \$5.25; 50 lbs., \$8.50; 100 lbs., \$15.00.

Bush, Green Podded

REFUGEE, EXTRA EARLY—A very early, green-podded variety, with medium-sized, green, fleshy pods; seed drab, freely spotted with dark purple. The vines are smaller and of more upright growth, and leaves a little larger than the late Refugee. The pods are round and make an attractive appearance when shipped to market. Their color is lighter than most of the green beans. 35c, postpaid; at purchaser's expense: 5 lbs., \$1.50; 10 lbs., \$3.00.



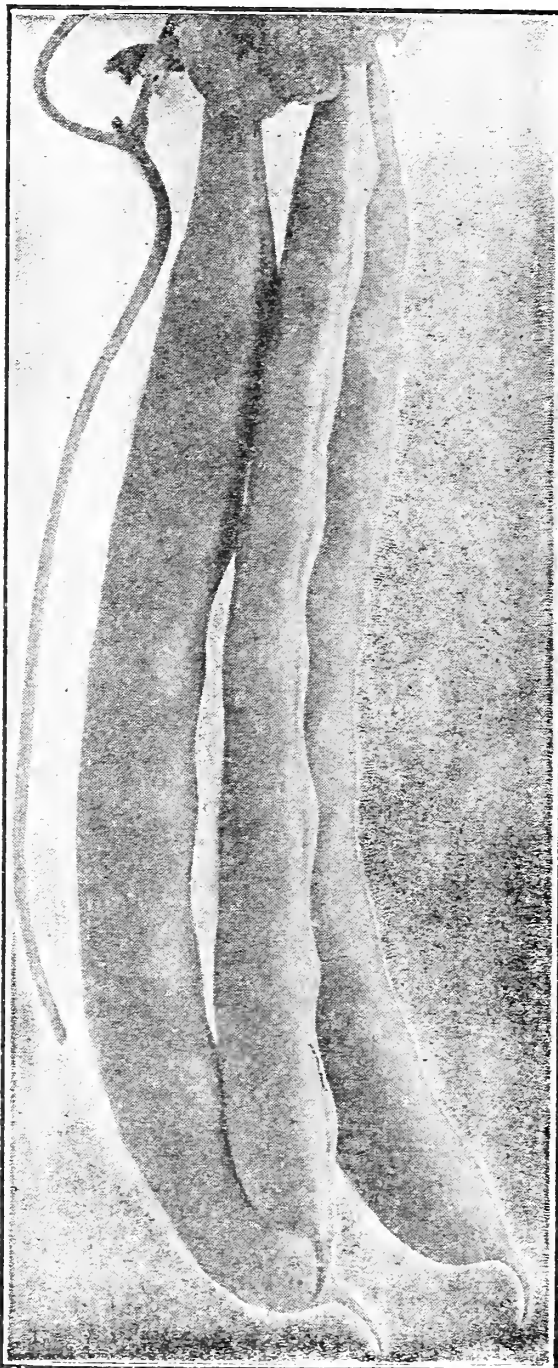
Green Stringless

STRINGLESS, GREEN—Very desirable dwarf green podded snap sort for the home garden and largely grown for the market. The plants are large, spreading and productive. The pods are medium green, five to six inches long, cylindrical, and remain crisp and tender long. Seed medium size and length, yellowish brown.

Lb., 30c, postpaid; at purchaser's expense: 1 lb., 25c; 5 lbs., \$1.25; 10 lbs., \$2.50; 25 lbs., \$5.25; 50 lbs., \$8.50; 100 lbs., \$15.00.

Pole, Green Podded

Although Pole Beans require considerable care and labor, they are, when properly grown, usually of longer bearing period than the Dwarf sorts and are generally more productive.



Kentucky Wonder

KENTUCKY WONDER—Also known as Old Homestead. We believe this variety is the most practically useful of the green podded pole beans suitable for use as snaps. It is early, very prolific, with showy pods which are of most excellent quality. The vines are vigorous, climbing well, bearing pods in large clusters. The pods are medium light green, very long, often reaching 9 or 10 inches, curved and twist-

ed, nearly round and very crisp when young, becoming very irregular and spongy as the beans ripen. Seed long, oval, slightly flattened, dun colored. One of the very best early pole snap beans for the home garden or market.

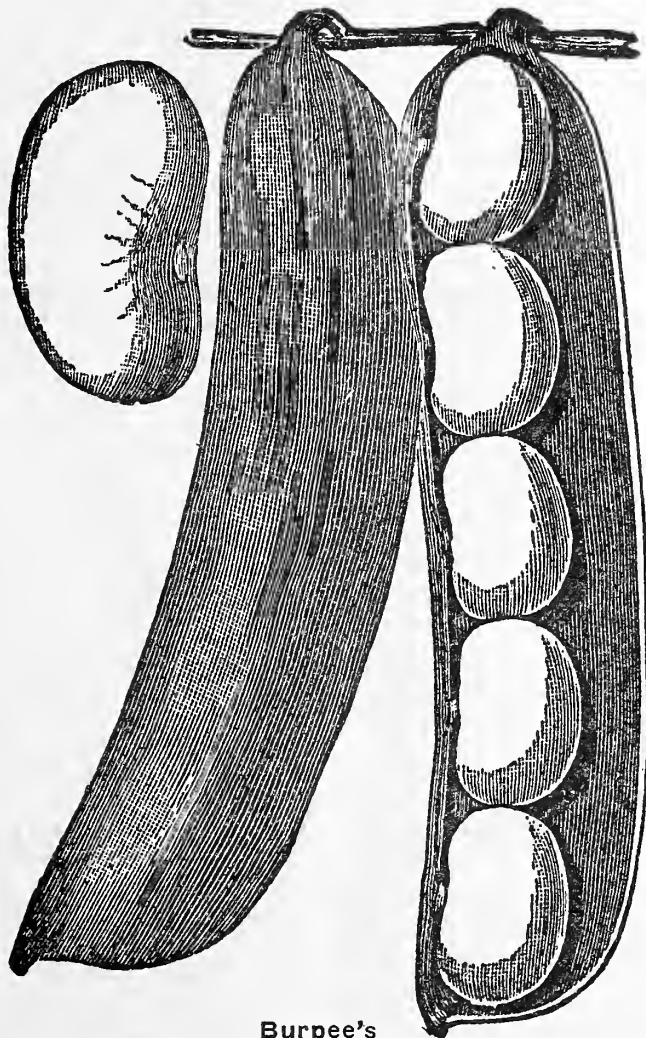
LAZY WIFE—The pods are produced in large clusters in great abundance and are from four to five inches in length. Dark green, rather flat but broad, quite thick, fleshy and entirely stringless, retaining their brittleness until fully developed; of unusually rich flavor.

Kentucky Wonder and Lazy Wife: Lb., 35c, postpaid; at purchaser's expense: 1 lb., 30c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.25; 50 lbs., \$11.00; 100 lbs., \$20.00.

Pole, Wax Podded

KENTUCKY WONDER — Yellow podded bears a large quantity of rich, golden-yellow pods from the time the plant is about half-grown until it is killed by frost in the fall. The plant makes a quick, healthy growth, and is exceedingly productive, bearing large pods, which are thick, meaty, stringless; very tender, and have a fine flavor when cooked. This variety is very popular, both for the home garden and for market. 1 lb., 35c, postpaid; at purchaser's expense: 1 lb., 30c; 10 lbs., \$3.00; 25 lbs., 6.50; 50 lbs., 12.00; 100 lbs., 22.00.

Limas, Bush



Burpee's

BURPEE'S—This is a little the earliest maturing of the large seeded Limas. The plants are vigorous and productive. The pods are medium green, very large, about five inches long, thick and usually contain four or five beans, which are unusually thick and large, and usually shows a greenish white tinge. One of the best and most extensively used bush Limas for the market as well as home garden. 1 lb., 40c, postpaid; at purchaser's expense: 1 lb., 35c; 5 lbs., \$1.75; 10 lbs., \$3.00.

HENDERSON'S—A dwarf form of the Small White Lima, valuable on that account and because of its extreme earliness, hardness and productiveness. The pods are medium dark green, short, about $2\frac{3}{4}$ inches, flat and contain two to four beans which are of excellent quality either green-shelled or dry. Seed small, flat and white with slight tinge of yellow. 1 lb., 40c., postpaid; at purchaser's expense: 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.75.

Limas, Pole

EARLY JERSEY—This variety is one of the earliest of the pole Limas. Pods are four inches in length and contain three and four large beans each. It is specially recommended for this northern latitude, as it gives much better results than can be obtained from any of the other varieties on account of its earliness and productiveness. 1 lb., 40c, postpaid; at purchaser's expense: 1 lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.00.

Ornamental

SCARLET RUNNER—Ornamental and useful. The vine is graceful, flowers are of a brilliant scarlet, and the beans are of an excellent quality, either when shelled or in a dry state. Oz., 10c; 2 oz., 15c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 35c; 1 lb., 60c, postpaid; at purchaser's expense: 1 lb., 50c.

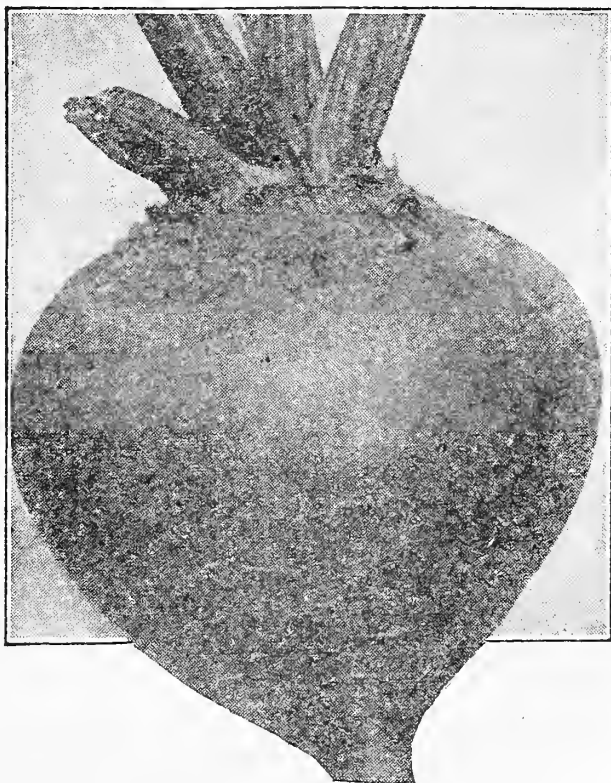
Field

NAVY—Write for prices, stating quantity wanted.

Beets

CULTURE—The soil should be deep, rich and mellow, plowed deep and harrowed until very fine. Drop about one inch deep in drills 12 to 18 inches apart, and when well up thin to four or six inches. The tops of the young beets can be used for greens.

BLOOD TURNIP, EDMUNDS—An extra selected stock of Blood Turnip. The roots are dark red and nearly round or slightly flattened. The flesh is deep red, zoned with lighter shade, sweet, crisp and tender. This is an excellent market and home garden sort for summer and autumn use.



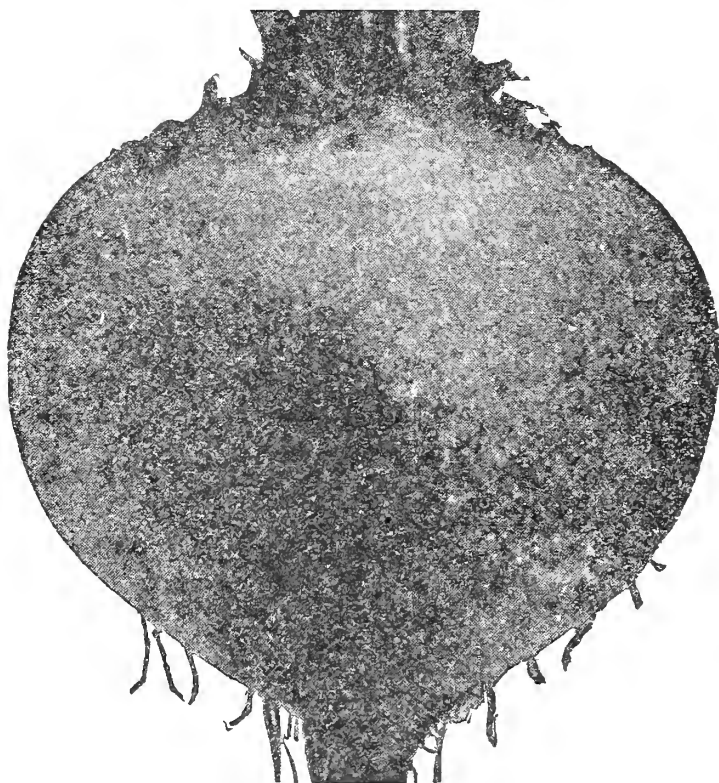
Detroit

DETROIT DARK RED—The tops are small and upright in growth. The leaves are dark green, shaded with red. The roots are medium sized, globular or nearly round, very smooth and of dark blood red color. The flesh is deep vermillion red, zoned with a lighter shade of the same color. The variety is very desirable for bunching. Dark Red is the most uniform in shape and size and the most attractive in color. It is unsurpassed in quality.

ECLIPSE—An early Beet especially desirable for the home garden, as they mature through a long period. The tops are small, roots are bright deep red, smooth, round or slightly top-shaped. The flesh is bright red, zoned with pink; very sweet, crisp and tender.

EGYPTIAN, CROSBY'S—One of the earliest and best strains of Beets. The roots run uniform in size and shape, have small tops, just right for early bunching. The flesh is deep red, sweet, tender, and of excellent quality. It develops its fine turnip shape in the early stages of its growth and on that account is preferred to most other kinds, which take a much longer time to grow to a proper maturity.

HALF LONG BLOOD—An old and popular variety, especially desirable for fall and winter use, as it does not become woody, and keeps better than the turnip shaped varieties. The root is smooth and handsome and the flesh is a bright red and of good quality.



Wonder

WONDER—The earliest of any Beet in existence. It is of perfect globe shape with small tap roots. The color of the flesh is very dark red, which makes it splendid for pickling purposes. In flavor it can not be beat. It is tender, sweet, and juicy, retaining its crispness throughout the season. The foliage is of a very dark color, is very small, permitting close planting.

All the different varieties of beets, unless otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c; postpaid; at purchaser's expense: 5 lbs., \$3.50; 10 lbs., \$6.00.



Swiss Chard

SWISS CHARD OR SEA KALE—This variety does not produce an edible root like the regular garden beet, but is highly esteemed for the broad, white leaf stalks and midribs, which are cooked and served in the same manner as asparagus, making a most delicious vegetable. The leaves are also cooked like spinach. Pkt., 5c; oz., 20; 2 oz., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25.

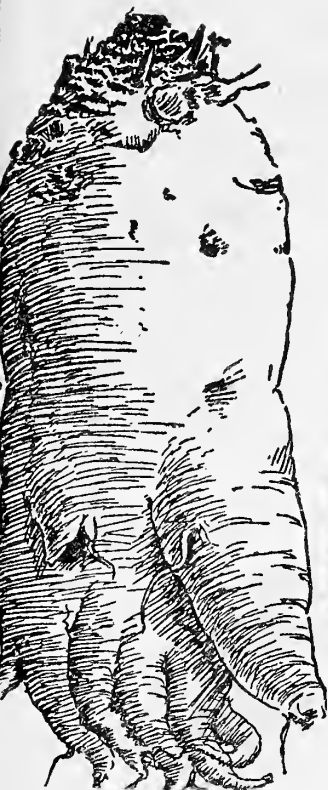
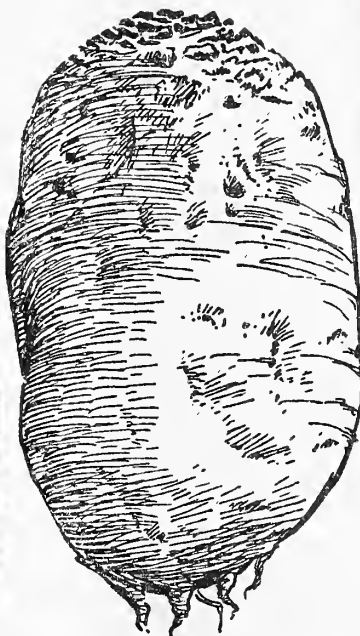
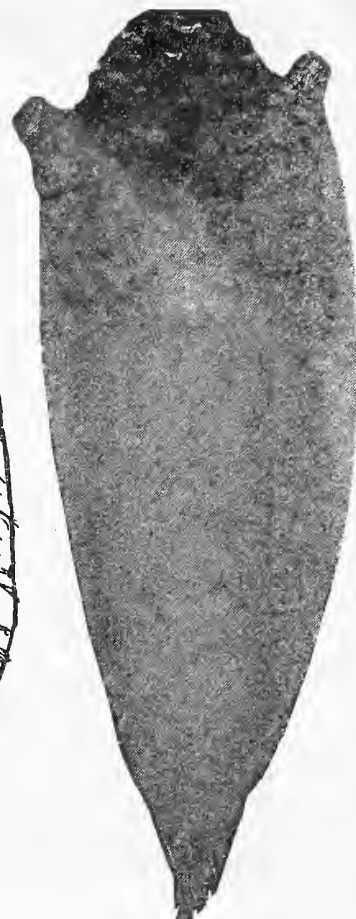
Brussels Sprouts

Cultivated for the small heads that grow in considerable numbers from the main stem. It is a delicacy much esteemed by some. Sow in seed bed middle of spring and transplant and manage as winter cabbage. Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00.

PLANT A GARDEN

Mangel Wurtzels

The great importance of growing Mangel Wurtzel and Sugar Beets for stock is becoming more and more apparent to the progressive farmer, on account of their immense yield, and their fine feeding qualities. In order to secure seed from the very best types we are contracting with European and American growers that are looked upon by their competitors as real experts. This seed costs us more than seed from the ordinary strains grown by ordinary growers, but we have always believed that quality is of more importance than price, and judging from the increase in our sales each year, we are convinced that the farmers are recognizing and appreciating the high quality of our seeds. All varieties of Mangel Wurtzel and Sugar Beets. Oz. 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; 1 lb., 60c; postpaid; at purchaser's expense: 5 lbs., \$2.50; 10 lbs., \$4.00.

**"Sludstrup"****Giant Half Sugar****Golden Tankard****Mammoth Long Red**

DANISH SLUDSTRUP—The Danish Government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sludstrup is considered the best of all mangels, having been awarded first class certificate. In color it is reddish-yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled.

GIANT HALF SUGAR—Is very much more valuable for feeding purposes than the old sorts, it being very much richer. In addition to this, the size and form have been improved until it yields as much per acre as the best mangels, and twice as much per acre as the rich sugar beet seed; is much easier handled, keeps better and is in every way most valuable to the farmer. Roots large, oval in form, very smooth, with few rootlets; tops small, flesh white.

GOLDEN TANKARD (Improved)—A special feature is the rich, deep yellow color of the flesh, differing in this respect from other Mangels, surpassing them in milk-producing qualities. The roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. It grows largely above the soil and is easily harvested. It yields an enormous bulk on good land, and can be grown closely in rows.

KLEIN WANZLEBEN — This variety has proved to be a very valuable sort, on account of its richness in saccharine matter thus demonstrating its superiority for feeding purposes. Roots rather long, slender growing into the ground. A great yielder.

MAMMOTH LONG RED—This is the heaviest cropping and largest of all mangels. The roots grow from one-half to two-thirds above the surface and are frequently two or more feet in length by six inches in diameter. Dark,

richly colored foliage, skin dark red, flesh white with veined rings of rose-pink.

All varieties of Mangel Wurtzel and Sugar Beets: Oz., 10c; 2 oz., 15c; ¼ lb., 25c; ½ lb., 35c; lb., 60c; postpaid; at purchaser's expense: 5 lbs., \$2.50; 10 lbs., \$4.00.

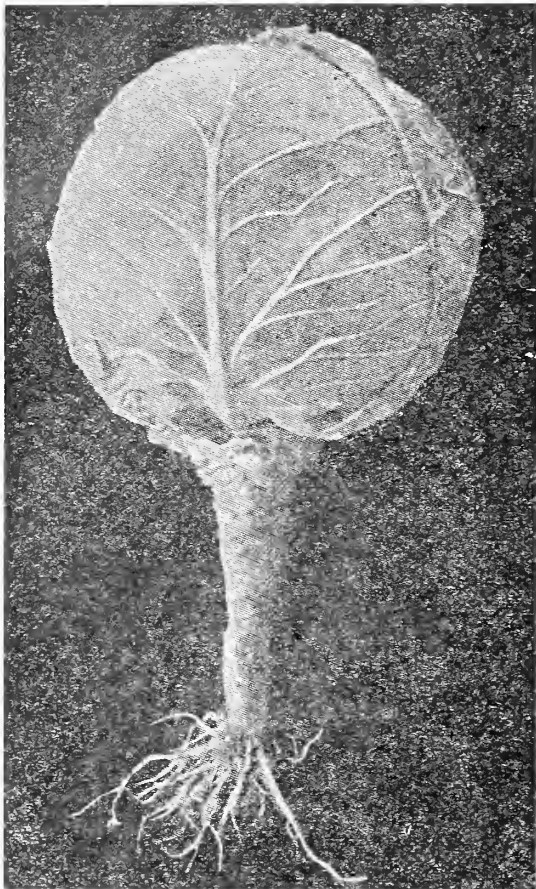
Cabbage

Cabbage is recognized as a crop that usually can be depended upon for good returns. The cost of seed per acre is very small, but the quality of seed you obtain is all important. Do not sacrifice quality. Obtain the best. Our seed is secured from the most reliable growers, gives best results, and better satisfaction than the ordinary strain of cabbage.

CULTURE—For early cabbages sow the seed in a hot-bed in March or April, covering the seed from ¼ to ½ an inch deep and, when big enough, transplant to another bed. As soon as the ground is in good condition transplant, outside, in rows 2 feet apart and 15 to 20 inches in the row.

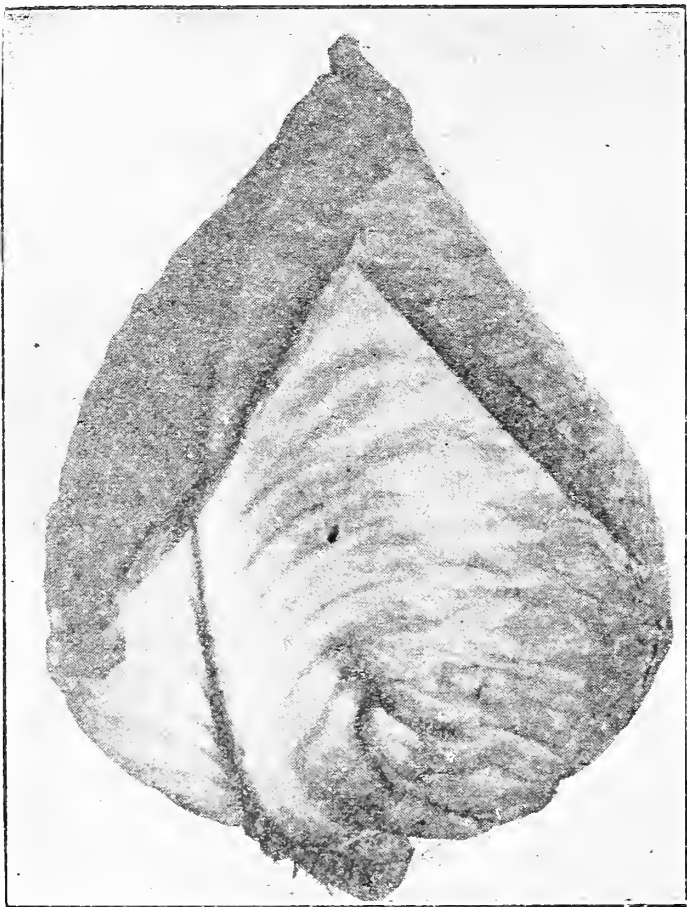
First Early

CLOVER LEAF COPENHAGEN MARKET—This superb new cabbage is undoubtedly without a rival as the finest large round-headed early cabbage in cultivation. The type is thoroughly fixed, the heads maturing all at the same time (this being a great consideration to market gardeners, entailing less labor in harvesting the crop, and allowing the ground to be cleared at the first cutting.) The heads average about 10 pounds each in weight, are very solid, with small core and of fine quality. It matures a little later than the Early Jersey Wakefield, and will give a much heavier yield per acre than that popular variety. The plant is short-stemmed, the heads being produced almost on the ground level. The leaves are



Copenhagen Market

light green, rather small, saucer-shaped, and always tightly folded. The plants, therefore, can be set closer than is usual with varieties of similar size. Pkt. 10c; oz., 35c; 2 oz., 65c; ¼ lb., \$1.15; ½ lb., \$2.00; 1 lb., \$3.50.



Early Jersey Wakefield

EARLY JERSEY WAKEFIELD—The earliest and hardest heading of extra early cab-

bage. Most gardeners depend upon it for the bulk of their extra early crop. Heads conical, very compact, solid and of excellent quality. The thick, stout leaves and compact habit make it the best sort for very early setting. Pkt., 5c; oz., 30c; 2 oz., 55c; ¼ lb., 90c; ½ lb., \$1.50; lb., \$2.75.

Second Early

GLORY OF ENKHUIZEN—Although this is very early for a round-headed cabbage, it is a splendid keeper and is excellent for winter use. The heads are of good size, almost perfectly round, extremely solid and heavy, deliciously tender and of the finest quality. The plants are of vigorous growth and are sure heading.

EARLY WINNINGSTADT—Hardy, with a very hard sharply pointed head and a very sure cropper. The heads are of medium size, very closely wrapped, sharply conical, of good quality. The leaves are dark bluish green.

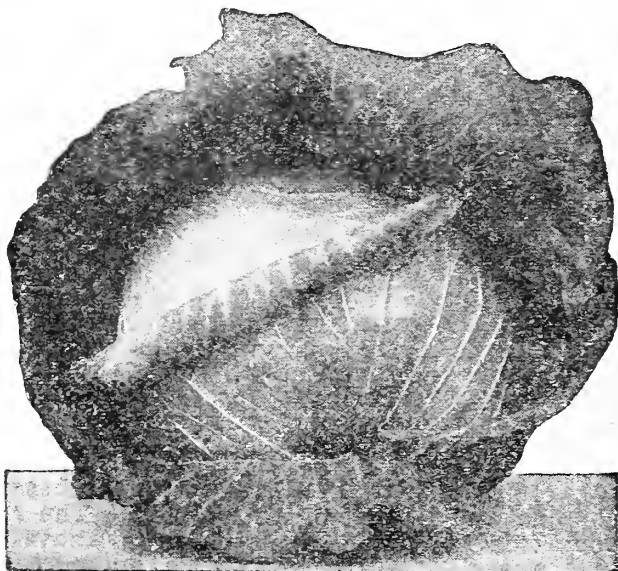
All second early cabbage, except otherwise quoted: Pkt., 5c; oz., 30c; 2 oz., 55c; ¼ lb., 90c; ½ lb., \$1.50; lb., \$2.75.

Late



Danish Ball Head

CLOVER LEAF HOLLAND OR DANISH BALL HEAD—Short stemmed. Most remarkable late cabbage yet produced. This is one of the hardiest cabbages in cultivation, and endures both frost and drought that would destroy other varieties. The plants are hardy and compact; leaves very smooth, but thick; heads of medium size, round and very solid, being the hardest heading cabbage and of the very best quality. Matures quite late, keeps well and is considered by many the best cabbage to keep until spring. Pkt., 5c; oz., 35c; 2 oz., 65c; ¼ lb., \$1.10; ½ lb., \$1.75; 1 lb., \$3.00.



Flat Dutch

DUTCH, LATE, FLAT—A low-growing variety; heads large, bluish green, round, solid, broad and flat on top; an excellent fall and winter variety; a good keeper; and a sure header. Pkt., 5c; oz., 30c; 2 oz., 55c; ¼ lb., 90c; ½ lb., \$1.50; lb., \$2.75.

DRUMHEAD SAVOY—The best variety of Savoy or crumpled leaf cabbage. The plant is vigorous, with short stem, has densely crumpled leaves and when touched by frost is sweet, delicate and delicious. The head is large and very solid.

ROCK RED—Best red sort, much used for pickling.

SAVOY AND ROCK RED. Pkt., 5c; oz., 35c; 2 oz., 65c; ¼ lb., \$1.15; ½ lb., \$2.00; lb., \$3.50.

New Golden Acre

GOLDEN ACRES—This is of recent introduction but has been tested sufficiently so that its real worth has been fully demonstrated. It is similar to the Copenhagen Market, but is a week or ten days earlier, and smaller, in fact ideal in size for marketing. The heads are very uniform, round, firm and of superior quality. It matures nearly all at the same time which is of great advantage to the market gardener. On account of its hardiness it will stand in the field a long while before bursting and is a most excellent shipper. Pkt., 10c; oz., 60c; 2 oz., \$1.00; ¼ lb., \$1.50; ½ lb., \$2.75; lb., \$5.00.

Chinese or Celery Cabbage

The most essential requirement for successfully raising Chinese cabbage is cool weather. Where the summers are warm, sowing must be delayed until early August. The plants develop quickly, forming large, tightly folded heads of tender leaves which are well blanched in the heart. Chinese cabbage can be served as salad like lettuce or when cut, makes a delicious cole-slaw.

PE-TSAI—The leaves when young are crimped, of light green color and appear like smooth leaved mustard. The plant as it matures becomes more upright and forms heads much like Cos Lettuce. The inner leaves blanch an attractive light yellow or creamy white with very white midribs. It is of distinctive flavor, very mild and pleasant.

Pkt., 10c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; ½ lb., \$2.25; 1 lb., \$4.00.

Carrots

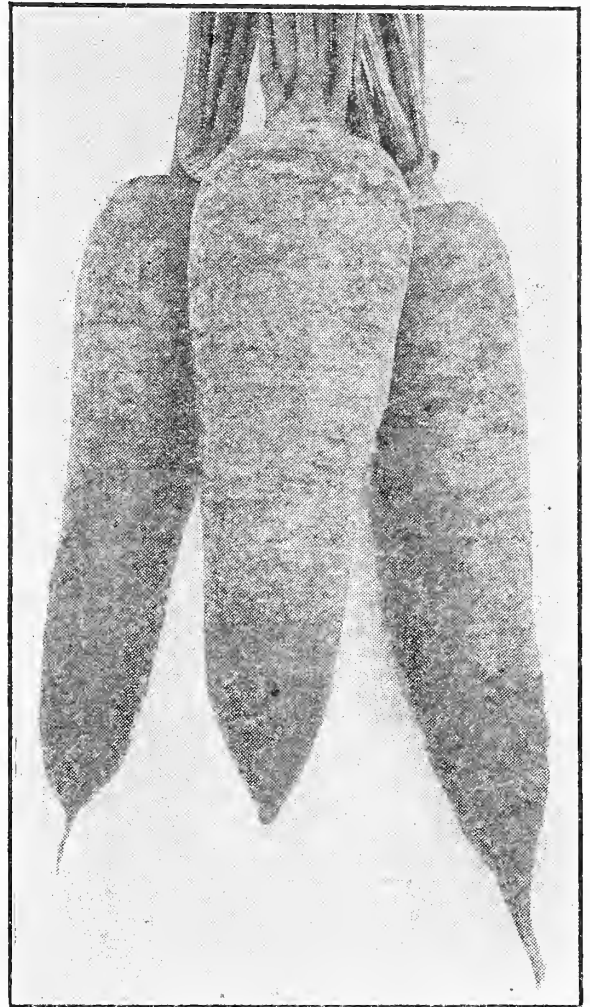
Few people realize that Carrots contain a very large amount of starch, the main constituent of both bread and potatoes. Carrots are also rich in sugar. Easily grown, rarely if ever attacked by insects, and very rich in food value. Carrots should be grown much more largely in the garden. When too large for table use, Carrots make a splendid stock food, hence there is no loss.

CULTURE—The carrot, like other root crops, delights in a sandy loam, deeply tilled. For early crops, sow in the spring as soon as the ground is in good working order; for late crops sow any time until the middle of June.

Carrots—Table

Chantenay—Half-Long, Long Orange and Oxheart. Pkt., 5c. oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00, postpaid; at purchaser's expense: 5 lbs., \$4.25; 10 lbs., \$7.50.

CHANTENAY—Early, scarlet color, stump rooted, broad, thick shoulder, heavy cropper. Fine quality. In shape and appearance it takes a place between the Oxheart and the Danvers Half Long.

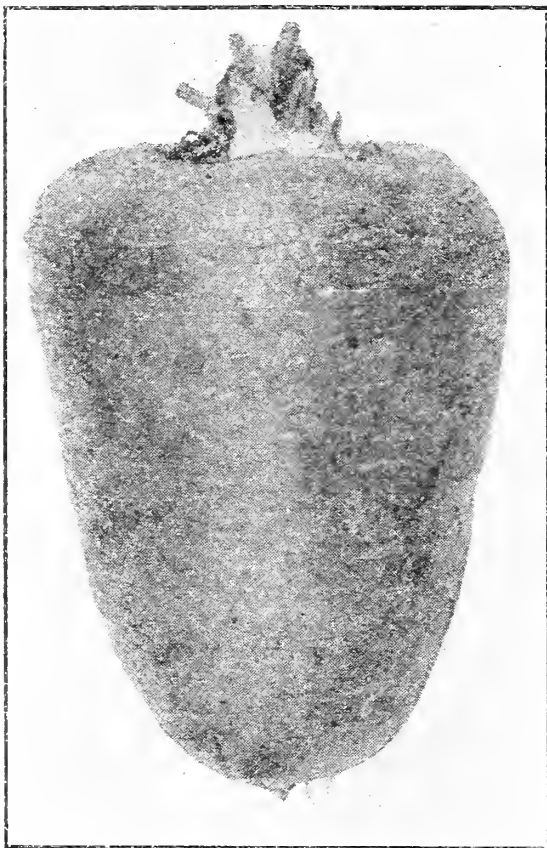


Danvers Half Long

DANVERS HALF-LONG, IMPROVED—A first-class carrot for all soils. The root is of a rich, dark orange color and grows very smooth and handsome. Very productive, producing as much tonnage to the acre as the longer field sorts, and is much easier harvested.

LONG ORANGE, IMPROVED—A deep orange colored variety. Heavy cropper. Good for either garden or field culture, especially adapted for light, deep soils where it can be easily dug, as the roots penetrate farther into the soil than other varieties. Grows fairly thick and entirely under ground, thereby avoiding green shoulders.

Use Cel-o-Glass for Poultry
Houses, Hot Beds, etc.—See
page 105.



Oxheart

OXHEART OR GUERANDE—A thick carrot, five or six inches long and very blunt at the lower extremity. It grows more rapidly and the root attains a weight of more than a pound. It is tender and of good flavor, and a variety that we can recommend to all market gardeners.

Chantenay — Half-Long. Long Orange and Oxheart: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00, postpaid; at purchaser's expense: 5 lbs., \$4.25; 10 lbs., \$7.50.

FRENCH FORCING—This is an excellent variety, both for forcing in cold-frames and for sowing in the garden for the earliest supply. The small roots are round in form, one and a half inches in diameter, smooth, tender, and of fine flavor.

SCARLET HORN, EARLY—A very early variety. Recommended for the very early market and family garden. Texture fine; very delicate in flavor.

FRENCH FORCING AND SCARLET HORN—Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; ½ lb., 75c; 1 lb., 1.25, postpaid; at purchaser's expense: 5 lbs., \$5.00; 10 lbs., \$9.00.

Carrots—Stock

All stock carrots: Oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 55c; 1 lb., 90c, postpaid; at purchaser's expense: 5 lbs., \$3.50; 10 lbs., \$6.00.

WHITE BELGIAN—Grows one-third out of the ground. Root pure white, green above the ground. The flesh is of deep yellow color, tender and of excellent flavor.

YELLOW GIANT OR SAN JOSE CHAMPION—This carrot is a half-long variety, with an immense broad shoulder. The roots penetrate less than one-half the depth into the ground. The color is a bright yellow, and is perfection for giving the proper color to your butter.

CAULIFLOWER

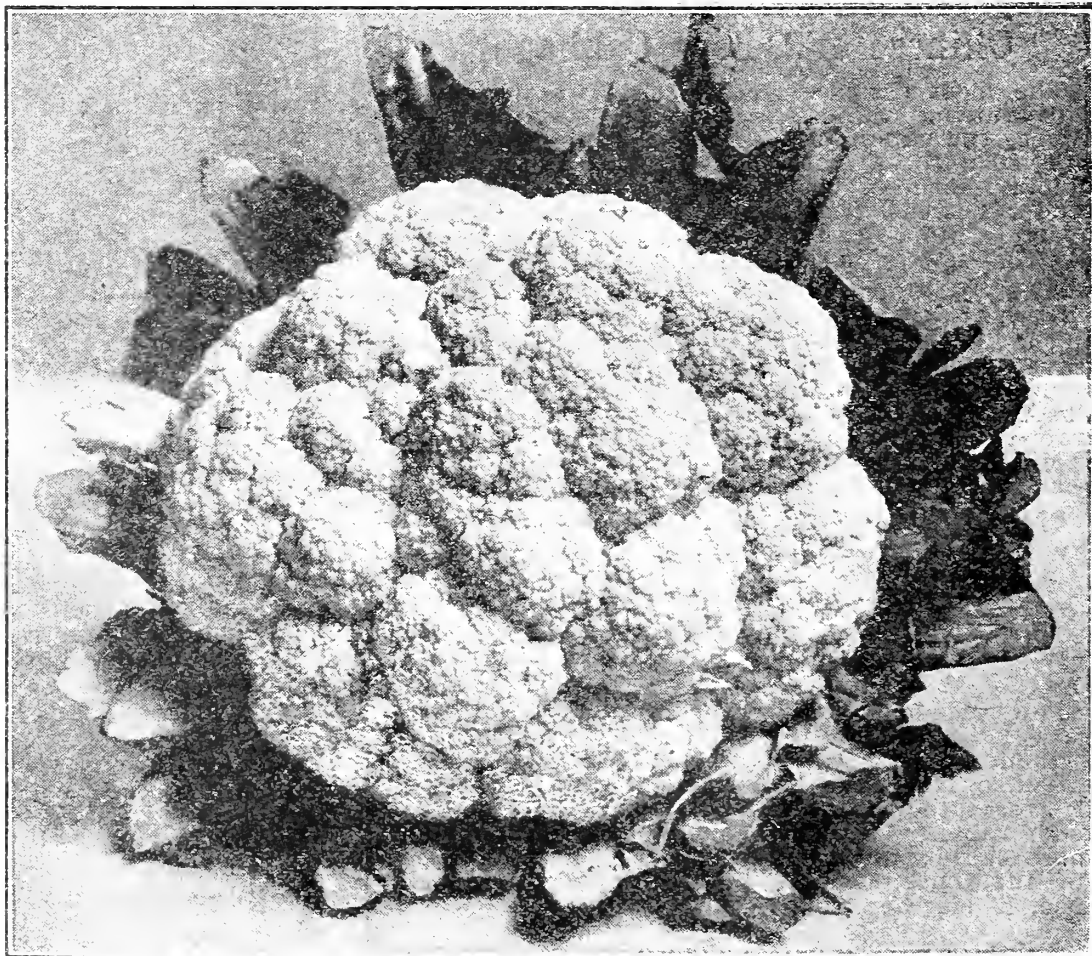
CAULIFLOWER

—Cauliflower, although one of the most delicious vegetables, is but little grown except by professional gardeners because of the erroneous notion that it is so difficult to grow that only skilled gardeners can produce it. Any one will be reasonably sure of success with this most desirable vegetable if the cultural directions given below are carefully followed.

The Cauliflower is highly esteemed for the mild, delicate flavor and extreme tenderness of the solid white heads.

CULTURE—The soil for cauliflower should be like that for cabbage, but is better if made richer than is ordinarily used for that crop. It should be borne in mind that cauliflower will not head up good in hot, dry weather, and hence the sowing should be so regulated as to bring it to maturity either before the hot summer weather sets in or

not until the cooler weather of the fall. After the heads begin to form, draw the leaves over and pin or tie them together to protect the heads from the sun and keep them white.



Snowball

CLOVER LEAF SNOWBALL (Best imported Strain)—This is an improved extra early strain of dwarf, compact growth. Under favorable circumstances nearly every plant will make a fine, solid head of good size. It is valuable for both early and late. Pkt., 15c; ½ oz., \$1.25; oz., \$2.25; 2 oz., \$4.00; ¼ lb., \$7.00.

DANISH GIANT OR DRY WEATHER—(Best Imported Stock)—Large leaved, with pure white compact heads. It is truly a first-class cauliflower and is specially adapted to dry locations and to resisting the effects of drouth. Two weeks later than the Snowball, when planted at same time. Pkt., 15c; ½ oz., \$1.50; oz., \$2.75; 2 oz., \$5.00; ¼ lb., \$9.00.

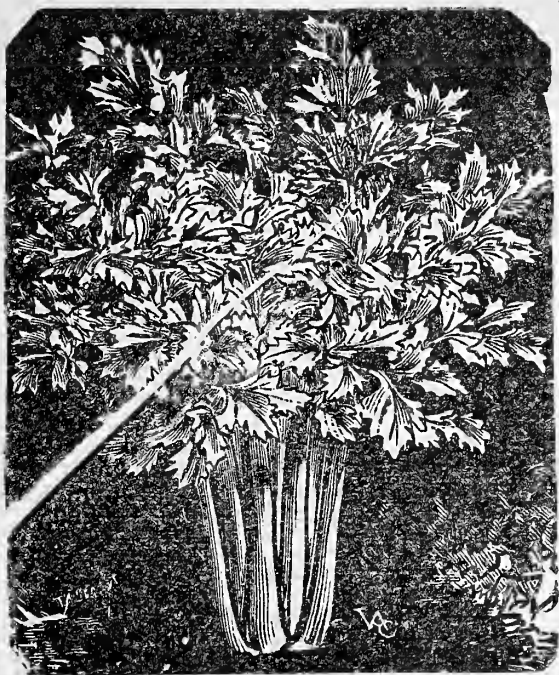
SIX WEEKS—This is a new variety we are offering for the first time. As its name implies it is a very early variety and one that has been thoroughly tested by the originator and grower. This has been placed upon the market by a well-known and reliable Holland grower and we are assured that it is earlier than the Snowball and equally as good. It is therefore a variety that should appeal to cauliflower growers. Price, pkt., 15c; ½ oz., \$1.50; oz., \$2.75; 2 oz., \$5.00; ¼ lb., \$9.00.

Celery

Finely blanched Celery is one of the most popular and attractive vegetables for the table during fall and winter. Would advise making two plantings where wanted for either home use or market. For the earliest crop the seed should be sown in hotbeds during February or March, and the young plants set in rich soil as soon as large enough, after the trees start out in leaf. For the fall or main crop seed may be sown in the open ground as early in the spring as the soil can be worked in good condition, and the plants should be set in the rows during July.

CULTURE—Sow in light, rich soil, in shallow drills, and cover the seed lightly with finely sifted mold. When the plants are 5 to 6 inches high transplant to rows 3 to 4 feet apart, according to the variety, allowing 8 inches between the plants in the row. Cultivate freely and earth up to blanch the stems, pressing the soil firmly around the plant almost to the top, care being taken not to cover the tops of the center shoots.

Early



White Plume Celery.

WHITE PLUME—(French grown). A very popular variety on account of its naturally white leaf stalks, which require less blanching than the other kinds. It is early, a fine market sort and the variety mostly used by gardeners. Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.25.

Medium

GOLDEN SELF-BLANCHING — (French grown.) It is of a rich, golden tint when ready for the table; very handsome and of excellent quality. Pkt., 10c; oz., 75c. 2 oz., \$1.40; ¼ lb., \$2.50; ½ lb., \$4.50; 1 lb., \$8.00.

EASY BLANCHING — A medium early variety of recent introduction and of great merit. Of dwarf and compact habit with light green foliage. Stalks from 20 to 24 inches high, solid, pure white, heavy and crisp of extra fine quality and a good keeper. As an early celery by the use of boards it blanches in ten days to two weeks. As a late celery it can be kept to the holidays. Pkt., 10c; oz., 75c; 2 oz., \$1.40; ¼ lb., \$2.50; ½ lb., \$4.50; 1 lb., \$8.00.



Late

CELERIAC OR TURNIP-ROOTED—Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and narrow-like. The roots are cooked and sliced; used with vinegar they make an excellent salad.

Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 85c; ½ lb., \$1.50; 1 lb., \$2.50.

CHICORY—Witloof or French Endive: This variety produces leaves with wide ribs or leaf stalks which form a cluster or head. Its main use is as a winter salad, the head being divided and served with French dressing. The heads are often boiled and later stewed in butter, milk and cracker crumbs. The flavor, which is slightly bitter, is the distinguishing characteristic that appeals to the epicure. Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; ½ lb., \$1.60; 1 lb., \$3.00.

Corn—Sweet

CULTURE—Sweet corn should not be planted deeper than one inch to one and a half inches, as it is liable to rot in the ground, especially if the ground has not become warm. Hoe often, drawing the earth against the stems and break off the side shoots.

First Early

White Cory, Early Minnesota, Golden Bantam, Howling Mob and Peep O'Day. Lb., 30c postpaid; at purchaser's expense; 5 lbs., \$1.25; 10 lbs., \$2.50; 25 lbs., \$5.25; 50 lbs., \$8.50; 100 lbs., \$15.00.

WHITE CORY

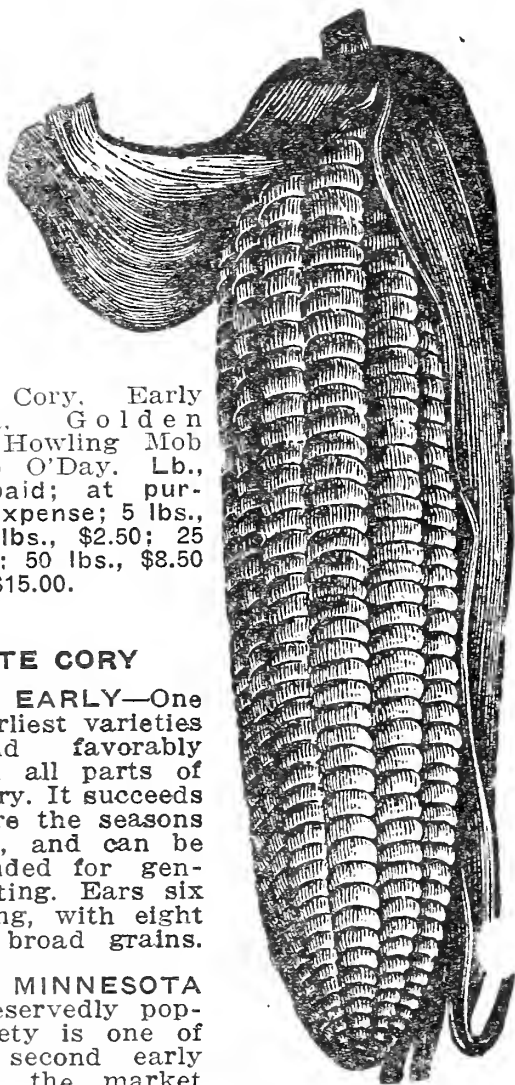
EXTRA EARLY—One of the earliest varieties well and favorably known in all parts of the country. It succeeds well where the seasons are short, and can be recommended for general planting. Ears six inches long, with eight rows of broad grains.

EARLY MINNESOTA—This deservedly popular variety is one of the best second early sorts for the market and the home garden. The stalks are about six feet high, bearing one or two ears well covered with husks. The ears are about eight inches long, eight rowed; kernels very broad, white, sweet and tender, not shrinking much in drying. By careful selection we have developed a stock of this standard variety which is remarkably uniform and in which all the good qualities that have made this sort so desirable are intensified.

GOLDEN BANTAM — Of extreme hardiness, this can be planted earlier than any other sweet corn, and will then produce the earliest supply of ears for the table. The stalks grow from three and one-half to four feet in height and produce one or two good ears on each stalk. The ears are about six inches in length, completely filled with eight rows of golden-yellow grains, extending to the rounded tip.

The flavor is deliciously distinct, exceptionally rich and sugary, the sweetest of all, superior to that of any other corn. Of all varieties the name "Sugar Corn" seems to fit this best, as it is so unusually sweet.

HOWLING MOB—This variety has become very popular on account of its earliness, and its possessing the sweet flavor of the later varieties. The stalks are of strong, vigorous growth, four and one-half to five feet in height, have abundant foliage and generally produce two fine ears to each stalk. The ears measure seven to nine inches in length, with twelve or fourteen rows of good-sized pearly-white grains. They are covered with a heavy husk which extends well out from the tip of the ears and af-



Early Minnesota

fords good protection from the green worms which are so often destructive to early varieties.

PEEP O' DAY—For earliness, flavor, sweetness and productiveness it is ahead of any other early white sweet corn. It will prove a money-maker for the market gardener, and a valuable addition to our list of corn for our short western summers.

White Cory, Early Minnesota, Golden Bantam, Howling Mob and Peep O'Day: 1 lb., 30c; postpaid, at purchaser's expense; 5 lbs., \$1.25; 10 lbs., \$2.50; 25 lbs., \$5.25; 50 lbs., \$8.50; 100 lbs., \$15.00.

Medium Early



Country Gentleman

COUNTRY GENTLEMAN—A favorite second early or main-crop variety with all private gardeners for its tenderness, delicacy, small, deep grains and sweetness. The ears are of fair size, frequently three or four to the stalk.

EARLY EVERGREEN — This fine variety yields large, handsome, ten and twelve rowed ears, averaging about nine inches in length. It is very sweet, has a fine flavor and remains tender a remarkably long time. Both varieties of medium early. 1 lb., 30c, postpaid; at purchaser's expense; 5 lbs., \$1.25; 10 lbs., \$2.50; 25 lbs., \$5.25; 50 lbs., \$8.50; 100 lbs., \$15.00.

Late

STOWELL'S EVERGREEN — The standard main crop variety, much used for the home garden, market and canning. It is hardy and productive, very tender and sugary, remaining a

long time in condition suitable for boiling. This corn is distinguished by the large ear, the long, deep kernels, its rich, sugary flavor and its long keeping qualities. The ears are about seven to eight inches long, fourteen to twenty rowed, with very white grain. The stalks are about seven and one-half feet high. The best known and most largely planted of all the late varieties.

1 lb., 30c, postpaid; at purchaser's expense: 5 lbs., \$1.25; 10 lbs., \$2.50; 25 lbs., \$5.25; 50 lbs., \$8.50; 100 lbs., \$15.00.

Special

GIANT GOLDEN BANTAM—As is well known Golden Bantam Corn is the result of a cross of two other varieties, and has been the most popular corn on the market up to the present time. By careful selection, and cross breeding all the good traits of Golden Bantam has been retained, and in addition a larger ear has been produced, therefore the Giant Golden Bantam corn has the color, flavor and productiveness of the regular Golden Bantam combined with much larger ears, making it the most popular variety of yellow sweet corn. It comes on the market about a week later than the Golden Bantam. Lb., 35c, postpaid; at purchaser's expense: 5 lbs., \$1.50; 10 lbs., \$3.00; 25 lbs., \$6.50; 50 lbs., \$11.00; 100 lbs., \$20.00.

Corn—Field

Corn growing is becoming more and more a staple product in the Northwest and experiments have shown that on carefully prepared fertile soil the difference in seed has made a difference in the yield of double the bushels per acre. Quotations on field corn not guaranteed, and is subject to change.

All varieties of field corn: Lb., 20c; postpaid; at customer's expense: lb., 15c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.00; 500 lbs., \$32.50; 1000 lbs., \$60.00.

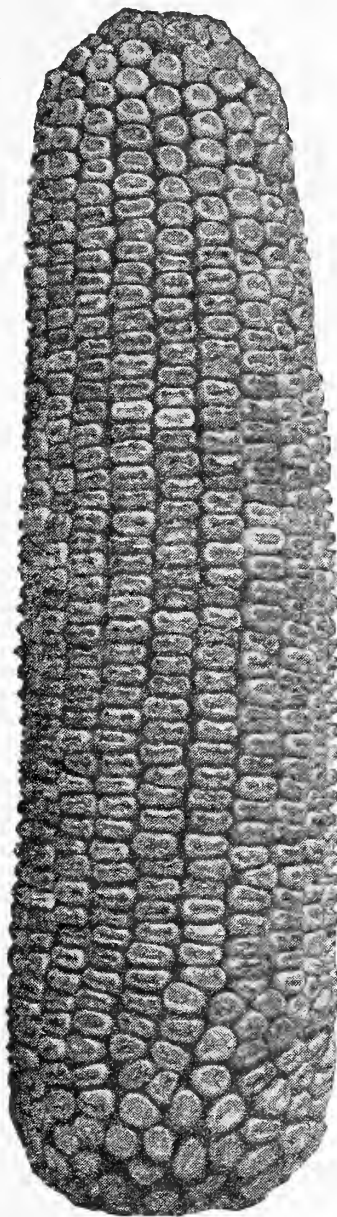
MINNESOTA No. 13—The commanding points of excellence which place Minnesota No. 13 Corn at the head of all yellow dent varieties for Northwestern planting are: Its earliness, its enormous productiveness, its adaptability to a great variety of soils and climates. The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth, wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length and are borne usually two on a stalk. No corn excels in quality the Minnesota No. 13; the cobs are well filled and the individual kernels plump and of good color. The stalks grow to a height of seven feet and being leafy make excellent and very nutritious fodder. A variety of corn which shows such valuable characteristics is an acquisition on any farm, especially for planting in the Northwest where early frosts are common.

Dent, White

SILVER KING NO. 7.—This variety has given almost universal satisfaction to dairy men that wanted a reliable corn for silo purposes.

It is an early variety, therefore is valuable if the dairyman or farmer wants matured ears.

It is medium size, deep grained and a heavy yielder.



Yellow Dent.

All varieties of field corn. Lb., 20c, postpaid; at customer's expense: lb., 15c; 5 lbs., 75c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.00; 500 lbs., \$32.50; 1000 lbs., \$60.00.

Please note that the prices made on field corn are estimates only and may be changed. If wanting quantity, please write stating variety and quantity wanted, otherwise full value will be forwarded for the full amount of money received.

Pop

WHITE RICE—The best corn for popping and for the general market; early, white pointed kernels. 1 lb., 25c, postage paid. At purchaser's expense, 10 lbs., \$1.50.

Cress

PEPPER GRASS (Curled)—The leaves, when young, have a warm, pungent taste, and are used as a salad, either alone or mixed with other salad plants. As they are milder and more tender when young, the seed should be sown at intervals of 10 to 15 days, making the first sowing as soon as the ground can be prepared. Pkt., 5c; 1 oz., 20c; 2 oz., 30c; ¼ lb., 50c.

WATER—A delicate, pungent salad plant, very agreeable alone or mixed with other salads. Entirely distinct from common cress,

Dent, Yellow

MINNESOTA KING

—We regard this corn in some respects as the most valuable early corn for the Inland Empire. It seems to possess a faculty of growing right along and making a crop during weather and under conditions that would ruin other varieties. In appearance the Minnesota King is remarkably distinct, being a half yellow dent; the kernels are very broad and are a rich golden color.

PRIDE OF THE NORTH—This is a standard early variety of corn in the East, but is not sure to mature here. From the fact that it produces a large amount of fodder and being early enough to get in proper condition for ensilage, it has taken the lead over all other corns for this purpose.

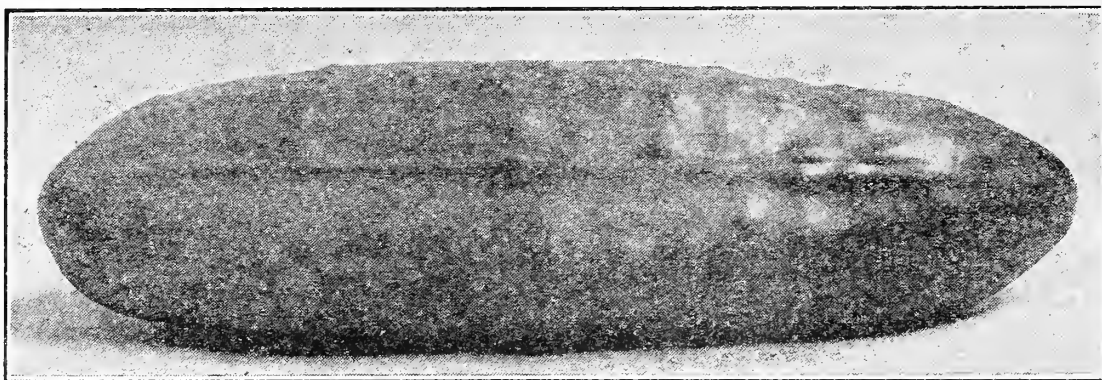
thriving only where its roots are submerged. Sow the seed thinly along the banks of any shallow stream early in the spring. Pkt., 10c; oz., 40c; 2 oz., 75c; $\frac{1}{4}$ lb., \$1.25; $\frac{1}{2}$ lb., \$2.25; 1 lb., \$4.00.

Cucumbers

This is one of the vegetables that can be grown to perfection by any one who can control a few square yards of reasonably good soil that is fully exposed to the sun. Every family should be supplied from its own garden, since the fruit is so much better when gathered fresh from the vines as desired for use than it is in the more or less wilted condition in which it is found on the market.

CULTURE—Plant in hills about four feet apart each way; thin out to four of the strongest plants in each hill; they succeed best in warm, moist, rich, loamy soil. The cucumbers should be gathered when large enough for use, whether required or not; if left to ripen, it destroys their productiveness.

All varieties of cucumbers, unless otherwise quoted: Pkt., 5c; oz., 20c; 2 oz., 30c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50, postpaid; at purchaser's expense: 5 lbs., \$6.00; 10 lbs., \$10.00.



Long Green

IMPROVED LONG GREEN—The Vines are very vigorous and productive. The fruit is very long, growing frequently from 12 to 15 inches, and are uniformly slender and of a beautiful dark green color. The large warts and spines are well distributed over the surface instead of being clustered at one end as in inferior stocks. This variety furnishes some fruit early but matures the bulk of its crop rather late. It is a standard sort for slicing and is very largely used for pickles. This is probably the most extensively used cucumber for the home garden and market. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.75; at purchaser's expense: 5 lbs., \$7.00; 10 lbs., \$12.50.

BOSTON PICKLING—This is a very productive variety that is extensively grown for pickles. The vines are vigorous. The fruits are bright green, of medium size, very smooth and symmetrical. The flesh is crisp and tender.

DAVIS PERFECT—This cucumber has an ideal shape and a beautiful dark green color. Its eating qualities are unsurpassed, both because of its fine flavor and its small number of seeds. On account of its fine flavor, small number of seeds, and its great productiveness, it is a general favorite and is highly recommended. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.75; at purchaser's expense: 5 lbs., \$7.00; 10 lbs., \$12.50.

EARLY CLUSTER—A short, prickly variety; usually growing in clusters. Is a prolific bearer, and one of the earliest; flavor excellent.

EVERBEARING—This is not only a very early variety but is also extremely prolific. If the fruit is kept gathered, vines will continue in bearing throughout the season. The fruit is of medium size and rich dark green color, average from four to five inches in length by an inch and a half in diameter. Owing to its great productiveness it is an excellent variety to plant for producing small pickles.

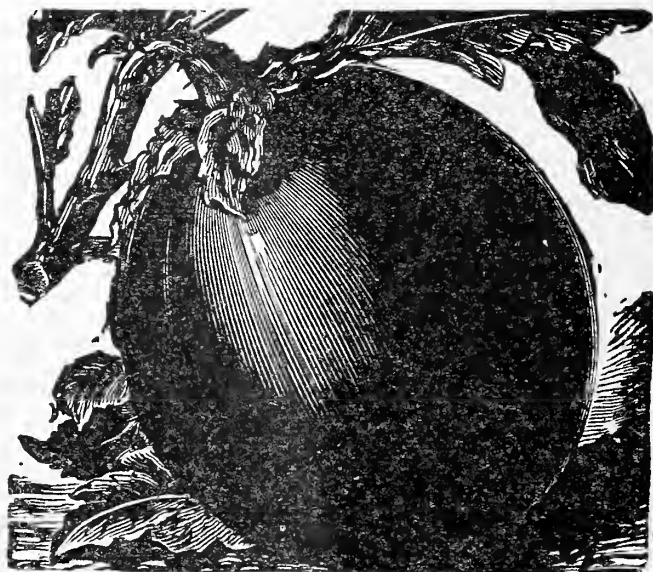
IMPROVED WHITE SPINE—One of the best sorts for trade use, fruiting early and abundantly; fruit uniformly straight and handsome; light green, with a few white spines. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 60c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.75, postpaid; at purchaser's expense: 5 lbs., \$7.00; 10 lbs., \$12.50.

SHORT GREEN, OR EARLY FRAME—A vigorous and productive variety producing fruit of medium size and regular form; flesh crisp and tender; excellent for the table or pickling.

All varieties of cucumbers, unless otherwise quoted: Pkt., 5c; oz., 20c; 2 oz., 30c; $\frac{1}{4}$ lb., 50c; $\frac{1}{2}$ lb., 85c; 1 lb., \$1.50, postpaid; at purchaser's expense: 5 lbs., \$6.00; 10 lbs., \$10.00.

Egg Plant

CULTURE—Sow in hotbeds very early in the spring; transplant to 2 or 3 feet apart in very rich, warm ground. Do not plant them outside till nights have become warm, as the least frost or cold nights will greatly retard their growth.



Improved New York

NEW YORK IMPROVED—This is a standard variety, both for market and home garden; a favorite anywhere. Pkt., 10c; oz., 50c; 2 oz., 90c; $\frac{1}{4}$ lb., \$1.75; $\frac{1}{2}$ lb., \$3.00; 1 lb., \$5.00.

BLACK BEAUTY—This beautiful egg plant is 10 days earlier than the New York Improved. The fruit is broad and thick, of most attractive form, and does not fade or change to a lighter color at the blossom end. The fruits set freely, and are ready for market early, so the crop can be gathered before danger of frost. Pkt., 10c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.75; ½ lb., \$3.00; lb., \$5.00.

Endive



This is one of the most refreshing and attractive of all autumn and winter salads. It is most appetizing when served mixed with lettuce, with French dressing. Sow seed from middle of June to last of August.

BROAD LEAVED BATAVIAN—Leaves are broad, thick, green, more or less twisted and waved with white mid-ribs. It forms large hearts, which when blanched form one of the best winter salads. Crisp, tender and fine flavor.

LARGE GREEN CURLED—A fine market sort; tender, green leaves; blanch white; hardy. Both varieties of Endive. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.50.

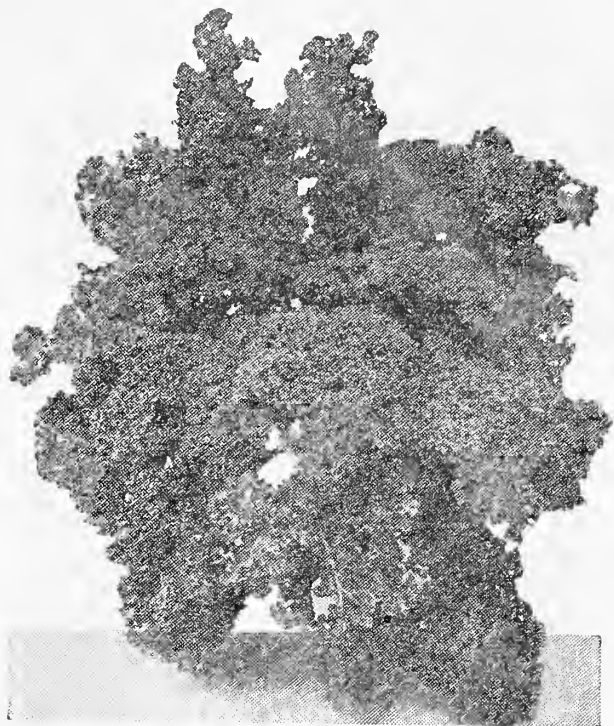
Garlic

Has a bulbous root, with a strong, penetrating odor and flavor. Belongs to the onion family and cultivated much in the same manner. We can not offer seed, but can supply the bulbs or sets.

This is extensively used in many places for flavoring soups, stews, etc. The sets should be planted early in spring and treated like onions. 1 lb., 50c.

Kale or Borecole

Kale, or Borecole, is a kind of cabbage that does not form a close and solid head, but a cluster of beautifully curled or wrinkled leaves that are tender and of excellent flavor. It requires the same treatment as cabbage, and is very hardy, being improved by frost.



DWARF GREEN CURLED SCOTCH—Plant low and compact, with large, bright, deep green leaves, curled, cut and crimped until the whole plant resembles a bunch of moss.

TALL GREEN CURLED SCOTCH—Produces an abundance of dark green, curled leaves. Very hardy.

Both varieties of Kale: Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75.

THOUSAND HEADED—The great demand for this wonderful forage plant proves it to be the most valuable green feed for dairy and stock men. Endorsed by agricultural colleges and government stations. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

Kohl-Rabi



The Kohl-Rabi is a vegetable intermediate between the cabbage and turnip, and combines the flavor of each. The edible part is a turnip-shaped bulb. When used for the table this should be cut when quite small, as it is then very tender and delicate, but if allowed to reach its full size it becomes tough and stringy.

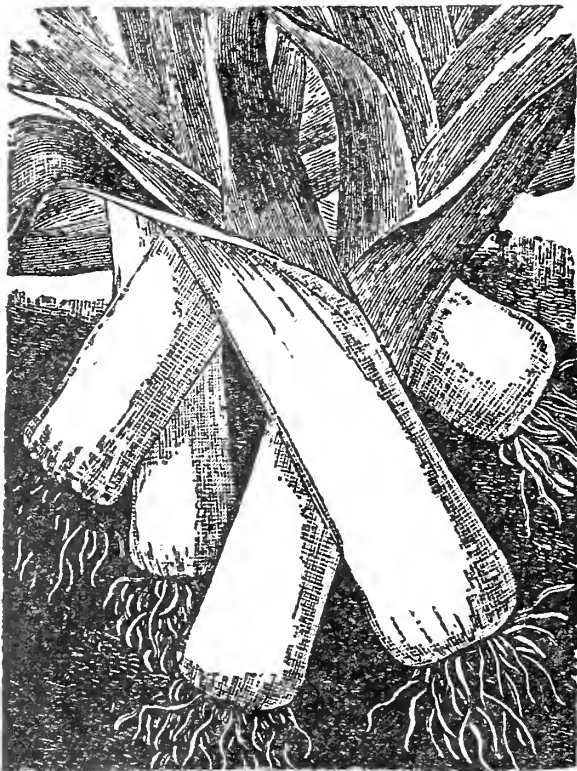
EARLY PURPLE—A very desirable sort for forcing or early out-door

planting. Bulbs are of medium size, purple, flesh white. Very early, with small top, the leaf stems being tinged with purple.

EARLY WHITE VIENNA—Is the earliest and best for forcing; is very tender, excellent for table use.

Both varieties of Kohl-Rabi: Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; ½ lb., \$1.50; lb., \$2.75.

Leek



London Leak

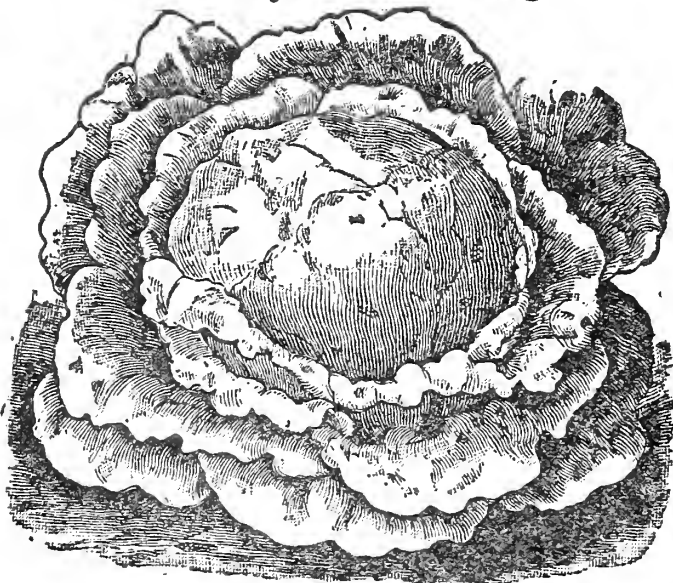
LARGE LONDON, OR SCOTCH FLAG—This leek is generally considered more delicate than the onion for soup, etc. Sow in seedbed middle of spring; when the plants are three or four inches high, transplant them into rows wide enough apart to admit the hoe between them. Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; ½ lb., \$1.50; lb., \$2.75.

Lettuce

Lettuce to be its best should be grown rapidly, hence the soil should be made as rich as possible by liberal manuring and thorough preparation.

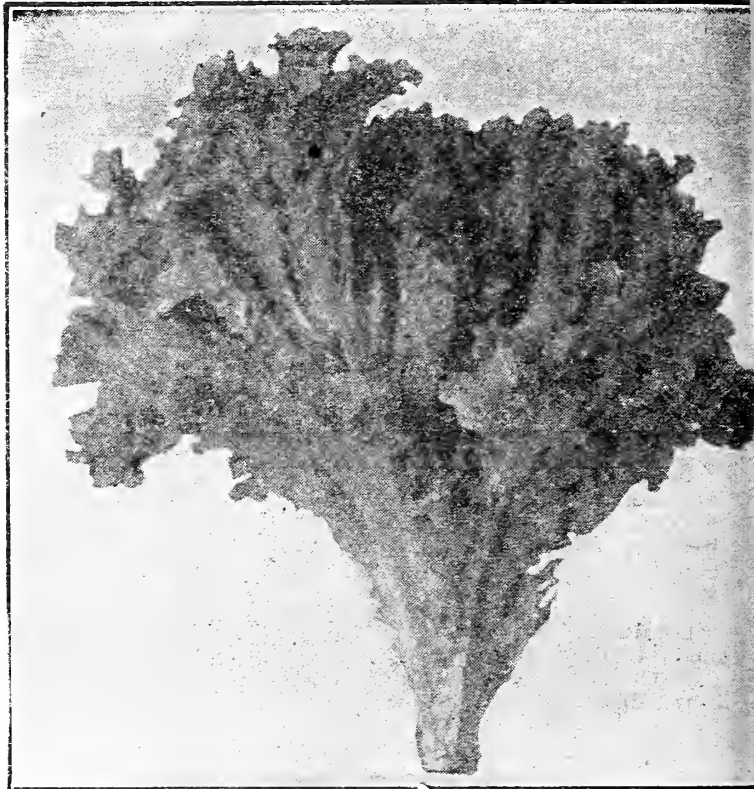
CULTURE—Sow every month as soon as the ground is open, in drills one foot apart, covering the seeds about one-quarter of an inch deep and thinning out to 6 or 8 inches in the row. For a cut salad sow thicker and do not thin out. Does best in rich, moist soil.

Early and Forcing



Big Boston

BIG BOSTON (Seed White)—This market variety is very popular for outdoor culture and is also in demand as a compact, large heading, forcing sort for cold-frames. The plants are large, very hardy and vigorous. The leaves are broad, comparatively smooth but wavy at the edge, thin, very hard and crisp. In color they are bright light green, the head slightly tinged with reddish brown. The inner leaves blanch to an attractive greenish white, tinged with light yellow. It heads up under cold weather conditions better than any other variety.



Grand Rapids

GRAND RAPIDS (Seed Black)—As a lettuce for greenhouse forcing this variety undoubtedly stands at the head of the list, being of quick growth, little liable to rot and standing for some days after being ready to cut. This plant is upright and forms a loose head or cluster of large, bright leaves, slightly crimped and blistered and rather thin.

Big Boston and Grand Rapids: Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.00; at purchaser's expense: 5 lbs., \$8.50.

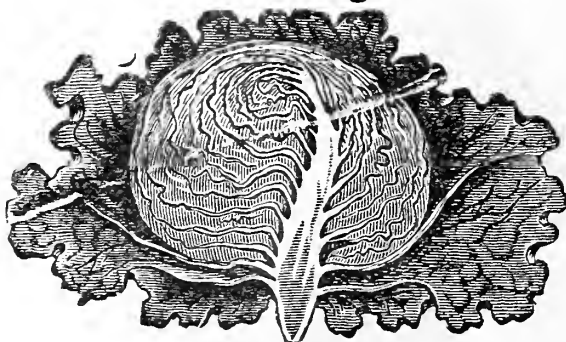
LOOSEHEAD OR CUTTING

PRIZEHEAD—Large, loose-headed sort. The leaves are tinged with brown, very heavy.

CURLED SIMPSON OR SILESIA—One of the best curled varieties for early sowing out of doors. Very popular with market gardeners and private planters.

Prizehead and Simpson's. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.50; at purchaser's expense: 5 lbs., \$6.00.

Heading

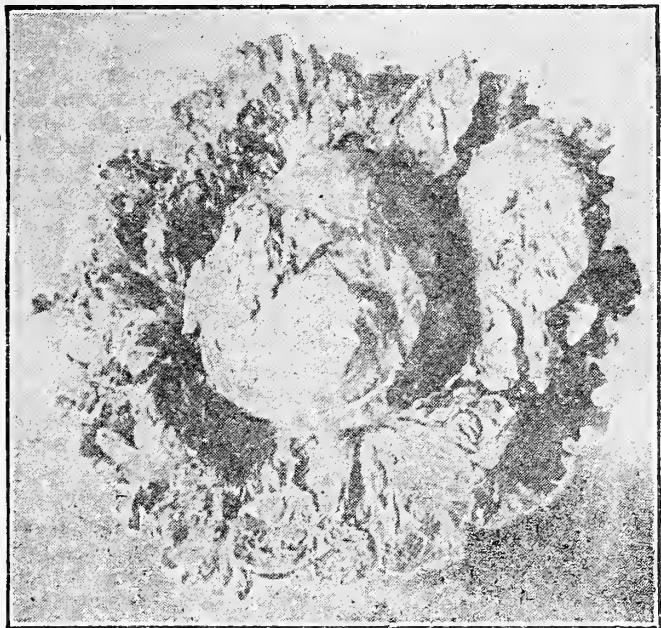


Hanson

HANSON—One of the most desirable later summer lettuces. The plant is compact and forms a large, cabbage-like head which remains in condition longer than most heading sorts. The outer leaves are bright yellowish green, broad, somewhat crumpled and frilled at edge and with distinctive midrib. The inner leaves are white, very crisp and sweet. This thin-leaved, curly tight-heading sort is very extensively used for the kitchen garden as well as market.

ICEBERG—Has an unusually solid head. The white main ribs of the leaves curve toward the center, which keeps the interior thoroughly blanched. It is a quick grower and always crisp and tender.

Hanson and Iceberg: Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; ½ lb., \$1.25; 1 lb., \$2.00; at purchaser's expense: 5 lbs., \$8.50.



New York

NEW YORK OR WONDERFUL—We pride ourselves upon the extra fine strain of our New York Lettuce. At the present time this variety is more generally used for commercial purposes than any other, hence it is very important to supply the growers with seed as nearly perfect as possible. This seed has been grown for us in Idaho by one noted for his painstaking and careful roguing of all heads not true to type, therefore we are confident that the seed we have is far superior to the seed grown by ordinary growers, and generally offered for sale by seedhouses. The mammoth heads are solid, heavy, beautifully blanched to a creamy white with bright green outer leaves. The quality is unsurpassed, being tender, crisp and sweet. The New York is a hardy, rapid grower, deep rooted and resistant to drought; a slow seeder and sure to head. Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; ½ lb., \$1.50; 1 lb., \$2.75; at purchaser's expense: 5 lbs., \$11.25; 10 lbs., \$20.00.

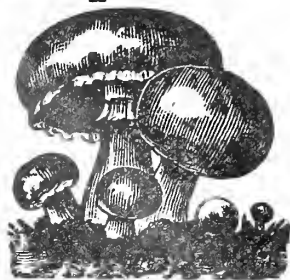
Cos

PARIS WHITE COS—The Cos Lettuce differs entirely in shape from other varieties, the head being elongated and of conical form, eight or nine inches in height and five or six inches in diameter. The outer coloring of this variety is yellowish green.

Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 60c; ½ lb., 1.00; 1 lb., 1.75.

Mushroom Spawn

With intelligent care and good spawn, mushrooms can be made to pay handsomely. They can be successfully grown in a dry cellar or under the benches of a greenhouse, where the temperature can be kept from 50 to 60 degrees.



LAMBERT'S PURE CULTURE—A new kind of spawn, without doubt the best. It comes in bricks, weighing about 20 ounces. These are broken up into pieces the size of a walnut and put into the bed one foot apart each way. Brick, 45c, postpaid; at purchaser's expense: Brick, 35c; 5 bricks, \$1.75.

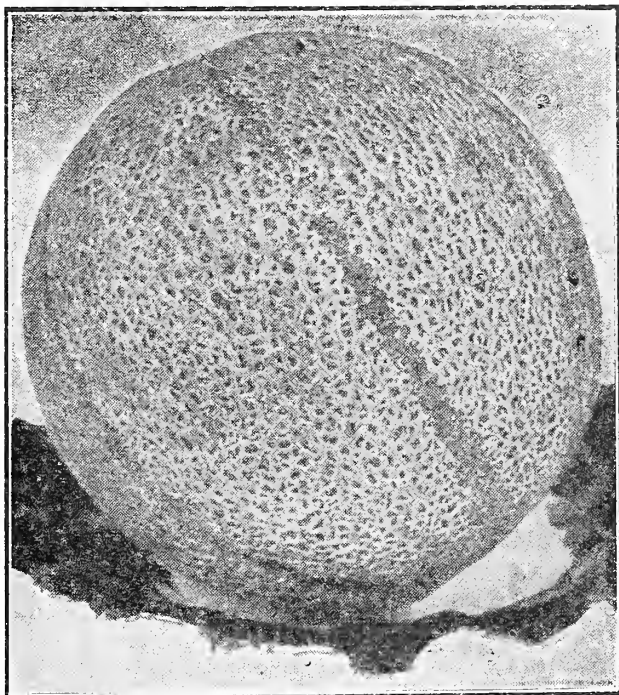
Leaflet on Mushroom culture sent with order if requested.

Muskmelons

There is not anything more refreshing than a fine flavored musk melon or canteloupe. It may seem strange to some that the selection of the seed should have anything to do with this flavor. There is a flavor peculiar to each distinct variety, and this can only be obtained by a careful selection of the melons from which the seed is saved. Our growers have always this thought in mind, hence the seed furnished us by our careful and intelligent growers will give best results on account of its careful selection.

CULTURE—The seed should not be planted until the soil has become thoroughly warmed, about corn-planting time. Plant five or six seeds to the hill, in hills four to six feet apart. Rich soil or well-rotted manure should be used in the hills.

Green-Fleshed Varieties



Rockyford

ROCKY FORD OR NETTED GEM—Has attained in an incredibly short time a national reputation. It is of the Netted Gem type, oval in shape, averaging from four and one-half to five inches in length, of a delicious flavor, very fine and smooth grained flesh, of a light green color throughout.

This melon has proved to be very profitable, hence popular on account of its superior quality and its ready sale on the market.

HACKENSACK EXTRA EARLY IMPROVED—A selection from and an improvement on the old Hackensack, and similar in shape and appearance; nearly as large and fully 10 days earlier; one of the finest for market gardeners; quality perfect.

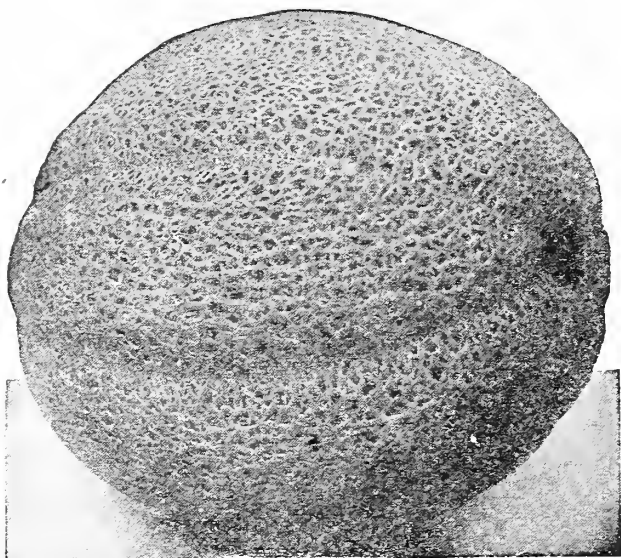
NUTMEG, EARLY PROLIFIC—Fruit of medium size, slightly ribbed, globular. Skin dark green, becoming yellow when overripe, and nearly covered with broad, shallow netting.

All varieties of green fleshed muskmelons not otherwise quoted. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25; at purchaser's expense: 5 lbs., \$5.00; 10 lbs., \$8.00.

Salmon-Fleshed Varieties

All varieties of salmon fleshed musk melons unless otherwise quoted. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 55c; ½ lb., 85c; 1 lb., \$1.50; at purchaser's expense: 5 lbs., \$6.00; 10 lbs., \$10.00.

BANANA—A very splendid melon averaging from 20 to 28 inches in length and almost solid. The meat is of a rich salmon color, and has a flavor which is truly delicious. Don't pick the melons until they are thoroughly ripe, as they are then at their best.



Burrell Gem

BURRELL GEM—Burrell's Gem has a tough thin rind, well arched ribs, covered with a closely interlaced gray netting; shape elongated, being about 4½ inches in diameter by 6 inches long, flesh of a reddish orange, very thick, fine grained and spicy, seed held firmly in a triangular cavity. This is the secret of a good shipping melon. If the seeds shake loose easily a melon will quickly decay.

EMERALD GEM—This is a variety of excellent quality and of medium size. The skin, white-ribbed, is perfectly smooth and of a deep emerald green color. The flesh is thick and of a deep salmon color, and ripens to the green rind. The flavor is very sweet and luscious. The vines are hardy and very prolific, and the melons mature extremely early.

HEARTS OF GOLD—While growing, these melons were rogued and rerogued to such an extent that upon examination of the field it was declared by one competent to judge that it was almost a perfect field of Hearts of Gold. We have been supplying most of the growers in the melon producing sections tributary to Spokane and they have been highly pleased with the uniformity and productiveness of their crops. This is an orange-fleshed variety of medium size, ideal as a shipping melon and a desirable mid-season sort for the home garden. The vines are vigorous, blight-resisting and

very productive. The fruits are uniformly fine and dense, extending over practically the entire surface. The rind is thin, yet very firm, so that the melons arrive in perfect condition in distant markets. The flesh is very thick, firm, highly flavored, of fine texture and delicious flavor.

Hearts of Gold originated from Hoodoo, but has been very greatly improved. What was known as Hoodoo was of the flat type, while Hearts of Gold are somewhat elongated.

Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 80c; ½ lb., \$1.25; 1 lb., \$2.00; at purchaser's expense: 5 lbs., \$8.75; 10 lbs., \$15.00.

OSAGE OR MILLER'S CREAM—The skin is very thin, of a dark green color and slightly jetted. The flesh is of a salmon color, remarkably sweet, extremely thick, and delicious to the rind. It is also very productive. It is a remarkable keeper, and will stand shipping.

PAUL ROSE OR PETOSKEY—A successful cross between the Osage and Netted Gem. It combines the sweetness of the former with the fine netting of the Gem, and is even a better shipper than that variety. The melons grow uniform in shape and size. The flesh is remarkably thick, making the melons very solid and heavy, and of a beautiful salmon or orange color; delicately sweet and melting.

POLLOCK 10-25—Is a re-selection of the Pollocks Netted Gem or Pollock's No. 25. It is not an untried variety but one that has proved its merit which distinguishes it as the most popular melon with growers everywhere. It has superseded No. 25 by reason of its long distance shipping qualities. An early melon of the solid netted type, very small seed cavity with thick luscious flesh of genuine salmon tint shading to green near the rind. A prolific yielder and is admittedly the finest salmon-fleshed melon ever introduced.

All varieties of salmon fleshed musk melons unless otherwise quoted: Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 55c; ½ lb., 85c; 1 lb., \$1.50; at purchaser's expense: 5 lbs., \$6.00; 10 lbs., \$10.00.

Two Special Melons

HONEY DEW—It is as sweet as honey and has the mingling of several flowers—pineapple, banana and vanilla predominating.

The average size of the melon is six inches in diameter and seven to eight inches in length, weighs five to six pounds. The skin is smooth with an occasional net, is a creamy yellow when ripe. The flesh is very thick, and very fine grained. The seed cavity is very small.

It matures about ten days later than the Rocky Ford, is very prolific and will keep for several weeks if picked a short time before it is fully matured.

This new melon is similar to Green Fleshed Honey Dew Melon, only the flesh is pink instead of green. This was accomplished by crossing the green meat Honey Dew with the Emerald Gem Cantaloupe, giving the new melon the pink flesh, which is so admired in all varieties.

Pkt., 5c; oz., 25c; 2 oz., 45c; ¼ lb., 80c; ½ lb., \$1.25; 1 lb., \$2.00.

CASSABA—The Cassabas are primarily for winter use. They require a long season for maturing but the fruits are exceptionally good keepers. The skin of the fruits is usually furrowed and they possess little or none of the common musk melon odor. The fruits may be picked when the light streaks have become quite yellow. Store the fruits so they do not touch each other, in a cool dark place. When the rind becomes slightly softened and moist, they are ready to cut.

GOLDEN BEAUTY—One of the best cassabas. It is a variety grown extensively for shipment. The fruits are nearly globular, bright yellow with golden tint, with wrinkled skin, six to eight inches in diameter. The flesh is white, very thick, juicy and sweet. Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 80c; ½ lb., \$1.25; 1 lb., \$2.00.

Watermelons

Watermelon seed, like all other seeds, should be selected from true types and from melons that have attained a large growth and ripened early. This method will produce and preserve true strains, while the generally followed plan of saving seed from all melons in a field without reference to size, shape, or time of ripening, will cause types and quality to deteriorate. Our growers give a great deal of time, thought and care to the thorough selection of the seed furnished us. Under these conditions we are obliged to pay a higher price for the seeds we secure than we would for ordinary seed, but we are supplying our customers with a very much higher grade of seeds than is usually supplied by seed houses.

CULTURE—Watermelons thrive best on light, well drained soils, but give good results on any good rich garden soil that is properly drained and cultivated. Plant after the weather is settled and ground warm. Hills should be eight feet apart each way and with well rotted manure thoroughly worked into each hill.

All watermelons not otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$4.25; 10 lbs., \$7.50.

CUBAN QUEEN—A very fine variety, growing to a great size; flesh bright red, solid and sweet. The skin is beautifully striped, dark and light green.

FLORIDA FAVORITE—Oblong in shape, and growing to a very large size; rind dark, with light green stripes; flesh light crimson, crisp and deliciously sweet.

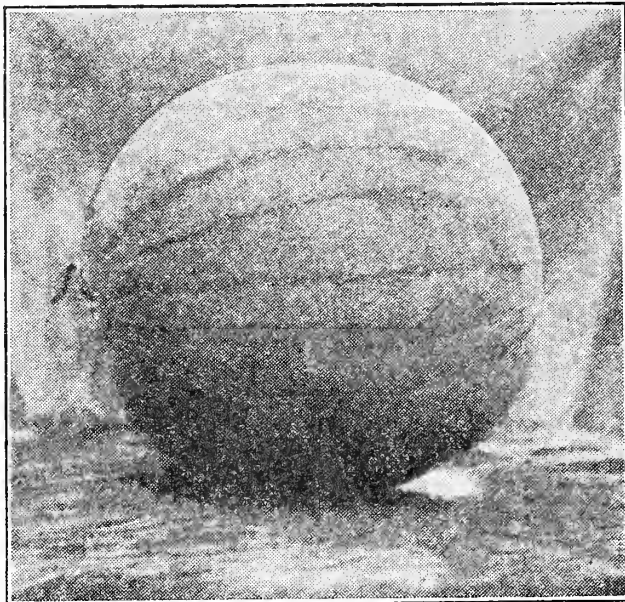
FORDHOOK EARLY—This is as its name implies, a very early melon, and will ripen and give satisfactory results in sections where a great many other varieties will not ripen. It is the earliest watermelon we list and among the very earliest grown; of medium size and of excellent quality. Dark green skin mottled with a deeper shade; flesh bright red.

GEORGIA RATTLESNAKE OR GYPSY—An old and still a popular variety. Large, oblong with decided stripes of light and deep green. A splendid shipper, flesh bright red and of good quality.

HALBERT HONEY—An exceedingly sweet and deliciously flavored melon, similar in size

and shape to Kleckley's Sweet. It is of handsome, long, oval shape, averaging about 18 inches in length, and about six inches in diameter. The skin is an attractive, very dark green, the flesh is of a beautiful bright red, extending almost to the outer rind. The rind, too, is so thin and brittle that it cracks open very easily and will not stand hauling or shipping long distances.

Pkt., 5c; oz., \$20c; 2 oz., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25; at purchaser's expense: 5 lbs., \$5.00; 10 lbs., \$9.00.

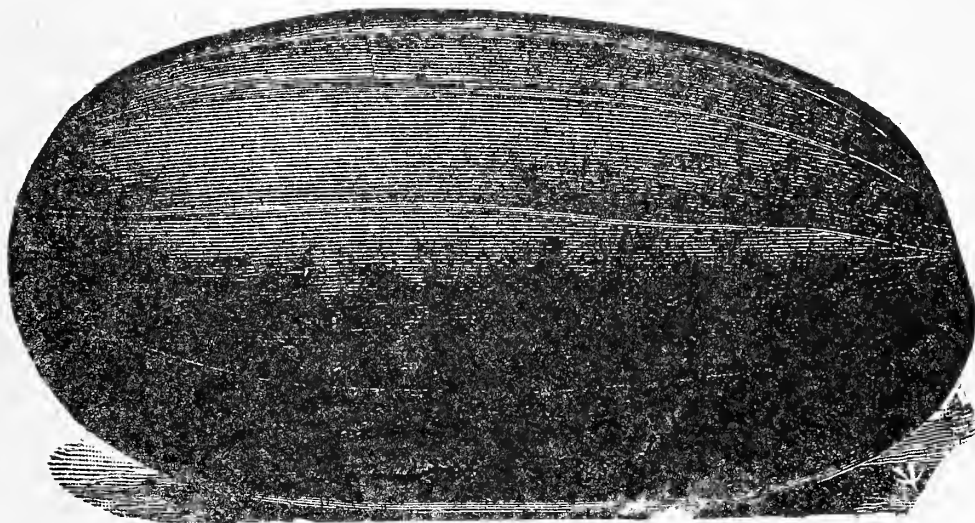


Ice Cream

ICE CREAM (Black Seeded)—This melon is of recent introduction and has many things to recommend it. While a little later in ripening than the ordinary melon, this is more than offset by its extra fine keeping qualities, as with ordinary care it can be kept till Thanksgiving. This new Ice Cream Watermelon is small when compared in size to other watermelons and somewhat resembles in appearance the citron. Oval in shape, light in color, with a very faint stripe, seeds small and black, flesh bright red with a thin rind and solid meat and a flavor that far surpasses that of any other watermelon. It is crisp and delicious and without doubt will come up to the highest expectations of the watermelon loving public. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25. At purchaser's expense: 5 lbs., \$5.00; 10 lbs., \$9.00.

KLECKLEY'S SWEET, OR MONTE CRISTO—(White Seeded)—This is one of the best flavored melons in cultivation, and of a shape and color that is extremely desirable. The rind is very dark green, very thin; flesh deep scarlet fine, and of delicious quality. For the home market and family garden it is decidedly one of the best.

Attractive red color, crisp, sweet and delicious. The heart is large with no core. The appearance and quality of this melon make it desirable for both home and market use.



Kleckley's Sweet

PEERLESS—One of the best melons in cultivation. Rind thin, light mottled green. Flesh bright scarlet; solid to the center, sweet as honey.

IRISH GREY—A distinct and very valuable melon; wonderfully productive; long, thick, uniform. Color of rind, yellowish gray, interwoven with thread-like veins; smooth, marble-like surface almost as hard as the citron. Flesh sparkling bright red, sweet and entirely free from hard centers or stringiness. Will not break when sliced. One of the best shippers; Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 50c; ½ lb., 75c; 1 lb., \$1.25; at purchaser's expense: 5 lbs., \$5.00; 10 lbs., \$9.00.



Tom Watson

TOM WATSON—A large, long melon similar in shape and color to the Klechley's Sweet and possessing the same delicious flavor and quality, but averaging larger in size and with a tougher rind, making it especially adapted for shipping to distant markets. The vines are vigorous and productive. The flesh is rich red, sweet and tender. Seed white, more or less marked with brown. Wherever grown it has become very popular as a shipping sort. There has been an increasing demand of late for a better quality of shipping melon and this demand has been met in most exceptional degree by the Tom Watson.

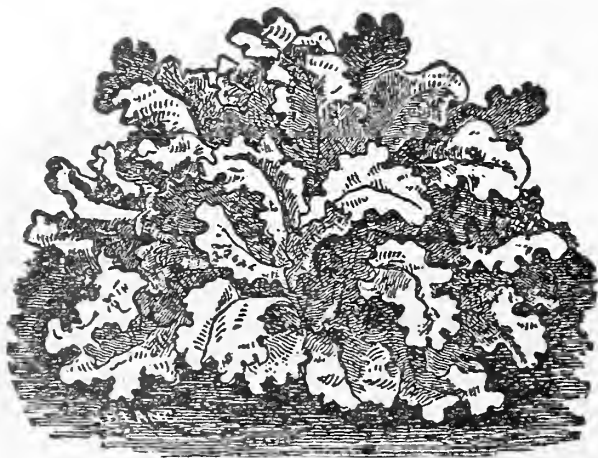
All watermelons not otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$4.25; 10 lbs., \$7.50.

CITRON—For preserving; grows uniformly round and smooth; striped and marbled with light green; flesh white and solid.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.50.

Mustard

MUSTARD is used alone as "greens" or with cress as salad. Sow any time in the spring, in rows.



SOUTHERN GIANT CURLED—The leaves are large, light green with tinge of yellow, much crimped and frilled at edges. The plant is upright or slightly spreading in growth.

WHITE ENGLISH—The leaves are comparatively small and smooth, deeply cut or divided and of medium dark green color. The plant is upright, of rapid growth and soon bolts to seed. The leaves, when young, are mild and tender.

Both varieties of mustard: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

Okra or Gumbo

The long, tender pods of Okra are very delicious when sliced and cooked in soups. While this is its chief use, it is also boiled and served like other vegetables. The dwarf sorts may be planted in hills or in rows about three feet apart. Plant in any good soil about May 15. The pods should be gathered when very young, as they are then very tender.

An early dwarf prolific variety with thick green pods.

DWARF GREEN—Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00.

Onions

The Onion is one of the most extensively used of all vegetables. It not only contains considerable nutriment and has valuable medicinal properties, but is most useful in counteracting the bad effects of sedentary life.

It is readily seen that there is a great variety and diversity in the shape, color, size, and flavor of onions, also in their keeping qualities. The keeping is due in some respects to the different varieties, but the care bestowed upon the selection of the bulbs of the various varieties has much to do to improve their keeping qualities. The time and labor given to this special care and attention adds to the cost, but it is well worth the additional cost to the planter, as it insures better keepers, more uniform type; also a greater yield. Our bulbs and seeds receive the necessary care to insure better results.

CULTURE—Onions do best on a rich loam, previously cultivated for two years. The land should be highly fertilized with well-rotted manure, or complete fertilizers. Culture should be frequent, though shallow. The same ground may be used for onions season after season, if well fertilized annually. Bone meal is an excellent fertilizer.

Brown

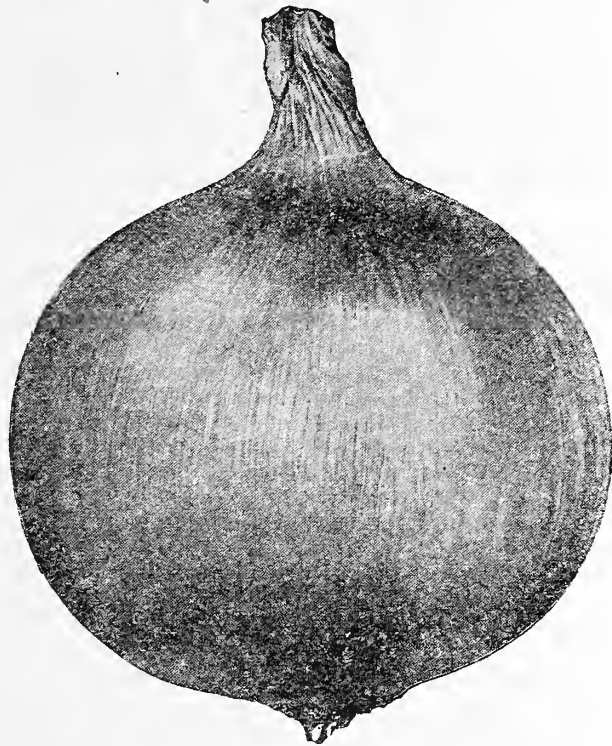
AUSTRALIAN—Of medium size. Wonderful hard and solid, the bulbs are most attractive for market, both as to form and appearance. The color of the skin is a clear amber brown. Specially noted as a long keeper as it keeps well into spring and much longer than any other varieties. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 65c; ½ lb., \$1.00; 1 lb., \$1.75; at purchaser's expense: 5 lbs., \$7.75; 10 lbs., \$14.00.

Red

LARGE RED WETHERSFIELD—This is the standard red variety and a great favorite. It is very extensively grown for home garden use as well as the market. The bulbs are large and are flattened yet quite thick. The skin is deep purplish red. The flesh is light purplish white, moderately fine grained, rather strong but of pleasant flavor. The variety is very productive, one of the best keepers and very popular for general cultivation. Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; ½ lb., 1.50; 1 lb., \$2.50; at purchaser's expense: 5 lbs., \$11.50; 10 lbs., \$21.50.

Yellow

DANVERS—YELLOW FLAT—The leading large yellow kind, round, slightly flattened, flesh fine-grained, rather mild, very rich and sweet; one of the best keepers and shippers, and one of the most productive kinds. Pkt., 5c; oz., 20c; 2 oz., 35c; $\frac{1}{4}$ lb., 65c; $\frac{1}{2}$ lb., \$1.00; 1 lb., \$1.75; at purchaser's expense: 5 lbs., \$7.75; 10 lbs., \$14.00.



Yellow Globe Danvers

DANVERS—YELLOW GLOBE—This onion is the standard winter sort in many markets. The shape is almost globe form and the bulbs are quite large, with thin necks, ripening down well. The skin is a fine brown orange yellow, while the flesh is pure white, solid and of good quality. Its keeping qualities are of the best and its earliness makes it valuable for market. Pkt., 5c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.00; at purchaser's expense: 5 lbs., \$9.00; 10 lbs., \$16.50.

MOUNTAIN DANVERS—This new sort is not as round as Globe Danvers, nor as flat as the Flat Danvers. It is one of the very earliest varieties and seems to ripen practically all the crop at once. Color is a beautiful dark yellow, shading to brown. It is an excellent keeper and shows less shrinkage than any other variety. The skin is thick and heavy, which makes it a good keeping and shipping sort. Grown for us in Colorado, in altitudes which are peculiarly adapted to producing onions of extreme earliness and hardness. This Mountain Danver is extensively grown in Southern Idaho, Colorado and Utah, and is highly recommended for general use. Pkt., 5c; oz., 30c; 2 oz., 50c; $\frac{1}{4}$ lb., 90c; $\frac{1}{2}$ lb., \$1.50; 1 lb., \$2.50; at purchaser's expense: 5 lbs., \$11.50; 10 lbs., \$21.50.

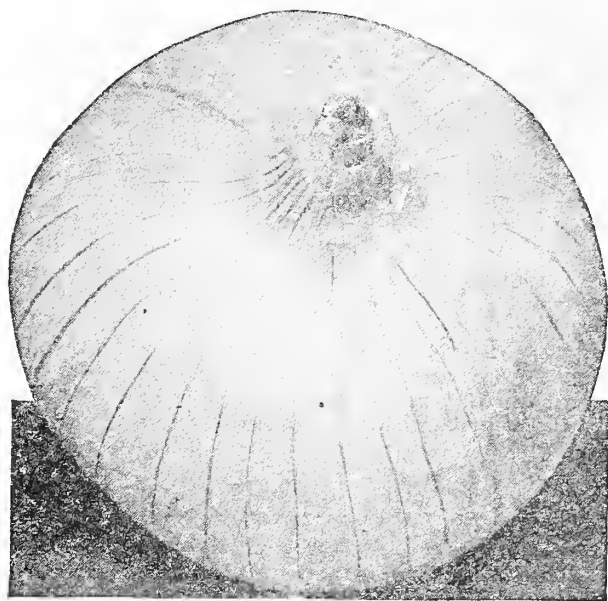
MAMMOTH PRIZETAKER—A very handsome late or main crop onion of the largest size and nearly globular in form, usually with shoulder and base slightly sloping. The skin is yellowish brown or light yellow with slight tinge of brown. The flesh is creamy white, very mild, tender and of excellent flavor. The variety keeps well if thoroughly ripened and is very desirable for shipping for fall and early winter use.

Pkt., 5c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.00; at purchaser's expense, 5 lbs., \$9.00; 10 lbs., \$16.50.

White

BUNCHING—Do not make the mistake of thinking that all varieties of onions are equally good for bunching. White varieties are always the best, but even in these there is a great difference. This is the very best variety known for bunching. Recommend thick sowing. Pkt., 5c; oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75; 1 lb., \$3.25.

BARLETTA—The very earliest white onion in cultivation. Pure paper white in color, of a mild and delicate flavor. Size from 1 to $1\frac{1}{2}$ inches in diameter and $\frac{3}{4}$ -inch in circumference. Specially recommended for pickling. Pkt., 5c; oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75; 1 lb., \$3.25.



Silver Skin

PORTUGAL OR AMERICAN SILVERSKIN—One of the leading white sorts, beautiful shape and mild flavor. The bulbs are flat in shape and mature early. Handsome in appearance, with clear white skin as beautiful as glistening silver. The flesh is of mild delicious flavor. It is largely used for growing sets on account of its fine shape when small, and also for its good keeping qualities. It is also extensively used as a pickling onion, for which purpose it is well adapted. Pkt., 5c; oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., 90c; $\frac{1}{2}$ lb., \$1.50; 1 lb., \$2.75; at purchaser's expense, 5 lbs., \$12.75; 10 lbs., \$24.00.

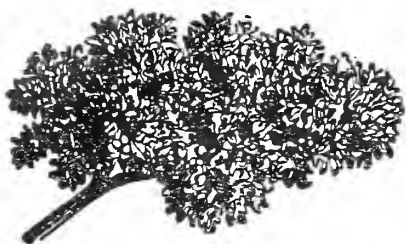
SOUTHPORT GLOBE—The superior quality of this wonderful variety is famed the world over. Its mild, delicious flavor and exceptionally attractive appearance have won great prominence. It is a most beautiful onion, of superb eating quality. Handsome, white globe shaped, flesh fine and very white, rich and sweet. It is also one of the best keepers of the silver skinned varieties. A veritable ball of silver, with thin, delicate, pure white skin. It will average from 2 to $2\frac{1}{2}$ inches in diameter, and produces large yields. As soon as harvested they should be stored away in a cool, dark shed to keep them from discoloring. Pkt., 5c; oz., 35c; 2 oz., 60c; $\frac{1}{4}$ lb., \$1.00; $\frac{1}{2}$ lb., \$1.75; 1 lb., \$3.00; at purchaser's expense, 5 lbs., \$13.75; 10 lbs., \$25.50.

Onion Sets

BOTTOM SETS—Are grown from seed that has been sown too thick to attain a large size. The small onions thus obtained are planted out, and are ready in a short time to pull as green onions for the table or bunched for the market.

YELLOW—Lb., 20c, postpaid; at purchaser's expense, 10 lbs., \$1.25. For large quantities, write for prices, stating quantity wanted.

Parsley



Very useful for flavoring soups, meats and garnishment. The green leaves are used for flavoring.

EXTRA DOUBLE CURLED—A compact grower, finely cut and much curled variety of bright green color. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.25.

Parsnips

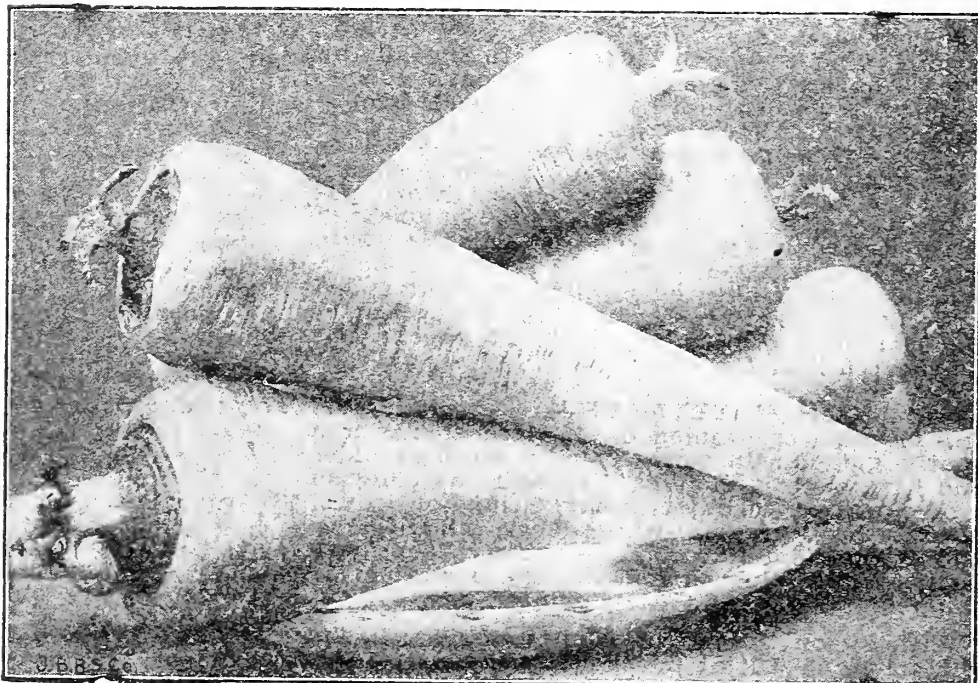
The value of the Parsnip as a culinary vegetable is well known but is not generally appreciated at its full value for stock feeding. On favorable soil it yields an immense crop of roots, more nutritious than turnips and very valuable for dairy stock.

CULTURE—Parsnips do the best in rich, deep soil, but will make good roots on any soil which is deep and mellow and moderately rich. As the seed is sometimes slow to germinate, it should be sown as early as possible.

IMPROVED GUERNSEY (Improved Half-Long)—A greatly improved and wonderfully fine strain of Guernsey parsnip. It is a very heavy cropper. The roots are very smooth, the flesh is finely grained and of most excellent quality.

LONG SMOOTH OR HOLLOW CROWN (Abbott's Improved Long Sugar or Long White Dutch Parsnip) — A great cropper; tender, sugary and considered the best for general cultivation. Parsnips are improved by remaining exposed to the frost.

Both varieties of parsnips: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$4.00; 10 lbs., \$6.50.



Peanuts

The peanut thrives and produces best on a light, sandy, fertile soil with a good clay subsoil. It possesses a long tap-root which extends deep into the earth. Lb., 50c, postpaid.

Peas, Garden

Hand Picked

Our peas are grown in the Inland Empire under our own supervision and have been very carefully rogued by us, thus insuring peas of the very best possible type. They have been grown by men of experience and in the very choicest places of the Inland Empire.

Extra Early

ALASKA OR EARLIEST OF ALL—Earliest and best of all of the blue smooth varieties. A smooth, blue pea, which in evenness of growth of vine and early maturity of pods is unequalled by any other pea. Vines two to two and one-half feet high. A great favorite with our market gardeners for fall and early spring planting. Lb., 25c; postpaid at purchaser's expense; 10 lbs., \$2.00; 25 lbs., \$4.25; 50 lbs., \$7.25; 100 lbs., \$12.50.

AMERICAN WONDER—The earliest and best of the wrinkled sort. A great favorite for family use. Has stout, branching vines about 10 or 12 inches high, and covered with well-filled pods, containing sweet, tender and well-flavored peas.

BLUE BANTAM—CROP FAILURE.

LITTLE GEM, McCLEAN'S—The vines grow about 18 inches in length, producing well-filled pods of from 2½ to 3 inches long. The peas are green, wrinkled, sweet and delicious.

LITTLE MARVEL—The vines average 15 inches in height and are heavily set with fine pods, frequently borne in pairs. The pods average 2½ inches and are square at the ends, well filled with 6 or 7 large, deep green peas. Little Marvel is a productive variety, with handsome dark green pods.

American Wonder, Little Gem and Little Marvel, lb., 30c, postpaid; at purchaser's expense, lb., 25c; 10 lbs., \$2.50; 25 lbs., \$5.50; 50 lbs., \$9.50; 100 lbs., \$17.50.

Second Early



Gradus

GRADUS or PROSPERITY. This remarkable pea is not only large and of the best quality, but it is also nearly as early as the small, round, extra early sorts. It is hardy and may be planted as soon as the ground is fit to work in the spring. The vine grows to a height of about 30 inches. The pods are of a light green color and measure 4 inches or more in length, being as large as Telephone and equally as well-filled with luscious peas—8 to 10 in a pod. The peas are of first-class table quality and retain their color and attractive appearance after cooking.

LAXTONIAN—CROP FAILURE.

TELEPHONE, DWARF—Produces handsome long pods. A great favorite with our market gardeners. Immensely productive, of the finest quality and excellent sugary flavor; vines very strong, growing from 18 to 24 inches high. The pods are of large size, filled with large, delicious peas.

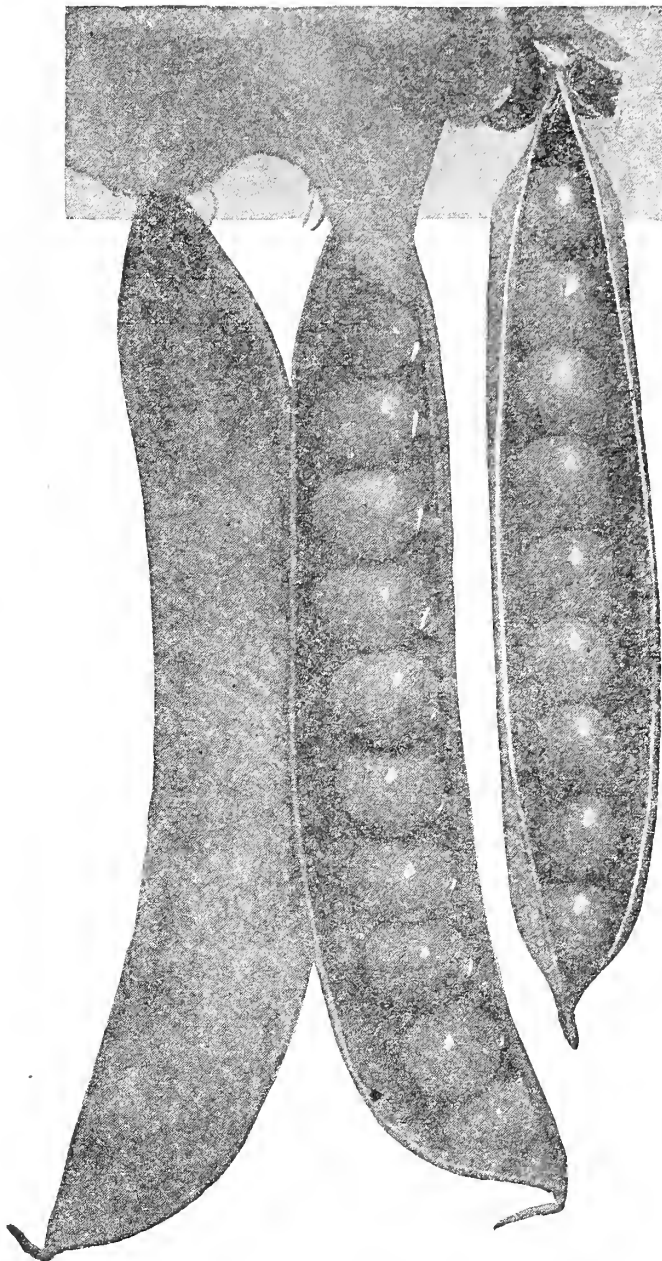
Gradus and Telephone. Lb., 30c; postpaid; at purchaser's expense: 1 lb., 25c; 10 lbs., \$2.50; 25 lbs., \$5.50; 50 lbs., \$9.50; 100 lbs., \$17.50.

TALL VARIETIES

TELEPHONE—The tall telephone still remains a great favorite and one of the leading varieties. The vines grow from 4 to 5 feet and are strong and vigorous, producing large pods of about four inches in length, of a deep green color and well filled with large peas of a most luscious flavor. Lb., 30c; postpaid; at purchaser's expense: 10 lbs., \$2.50; 25 lbs., \$5.50; 50 lbs., \$9.50; 100 lbs., \$17.50.

See page 59 for Canadian, Green and Cow Peas.

MELTING SUGAR (Edible Pods)—We consider this the best of the edible-podded sorts, in which the pods are used when half grown and are cooked in the same way as snap beans. The pods of Melting Sugar are very large, four to four and one-half inches long, broad, often curved or twisted, and when young stringless, very tender and finely flavored. Very prolific, strong growing, about four feet high, with large light colored foliage. Seed medium to large, smooth, round, light yellowish white in color. Lb., 35c; postpaid. At purchaser's expense, lb., 30c; 10 lbs., \$3.00.



Dwarf Telephone

Peppers

CULTURE—Sow the seed early in hotbeds, or later, when the weather becomes warm, in open beds; when two or three inches high, transplant to a warm, mellow soil, in rows 18 inches apart and one foot apart in the row.

CHINESE GIANT—An enormous fruiting variety, averaging 12 to 15 inches in circumference. Notwithstanding its large size, it is very early and very prolific. Plants are healthy, well branched, about two feet high and carry an enormous load of fruit, often having the appearance of being bunched together. Flesh is thick, tender, mild and sweet, and is unequaled for salad or stuffed as mangoes. When ripe the peppers are a rich, glossy scarlet, making them of unusually fine appearance. Pkt., 10c; oz., 60c; 2 oz., \$1.00; ¼ lb., \$1.75.

Pumpkins

CULTURE—Sow in good soil, when the ground has become warm, in hills eight or ten feet apart each way, or in fields of corn about every fourth hill.

All pumpkins not otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$4.00; 10 lbs., \$7.00.



Chinese Giant

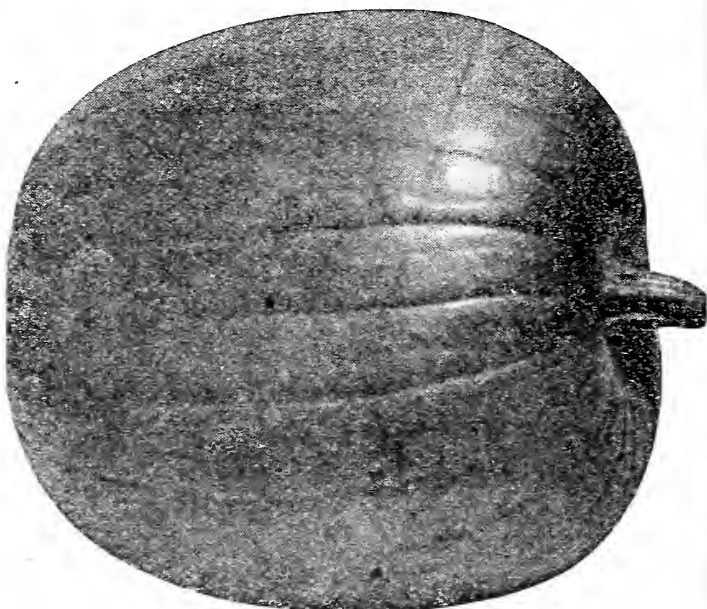
LARGE BELL OR BULL NOSE—Sometimes called Sweet Mountain. The plants are vigorous, about two feet high, compact and very productive, ripening their crop uniformly and early. The fruits are large, growing from three to four inches in length, with thick, mild flesh of excellent quality for use in salads and mangoes or stuffed peppers. The color is deep green when fruit is young, bright crimson when ripe.

LONG RED CAYENNE—Brilliant coral-red pods, three or four inches long, and a prolific bearer; very pungent and used very largely with pickles when green.



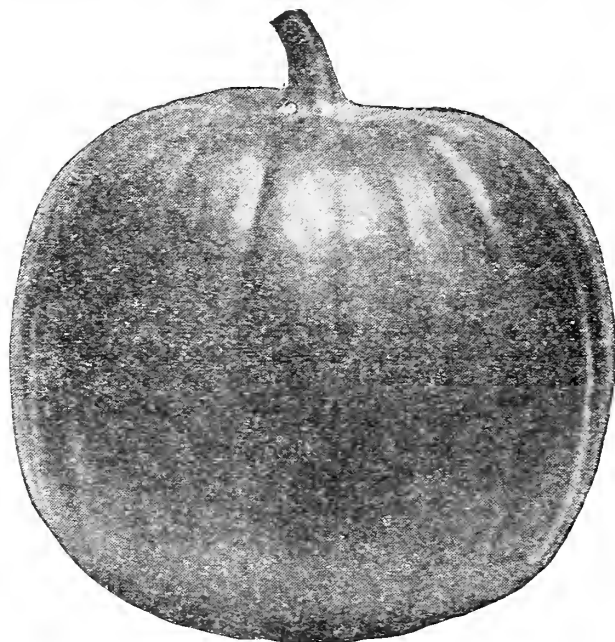
RUBY KING—Very large and attractive. The plants are about two and one-half feet high, vigorous, compact and productive. The fruits are often four to four and one-half inches long and of deep green color when young, bright red when ripe. The flesh is thick and mild flavored. One of the best varieties for mangoes or stuffed peppers.

All varieties of Peppers not otherwise quoted: Pkt., 10c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.25.



Connecticut Field

CONNECTICUT FIELD—A productive, large, orange-colored field pumpkin, usually grown for stock feeding, but it makes good pies.



Early Sugar

SUGAR—This variety is small, but of most excellent quality for pies. Fruits deep orange, eight to ten inches in diameter, round or somewhat flattened and slightly ribbed. Flesh rich, deep yellow, fine grained and very sweet.

WINTER LUXURY—Smooth, rounded form, with thin, tender skin of a rich golden yellow, closely netted. The fruits grow to good size and are very attractive. The flesh is very thick, sweet, fine-flavored, and excellent for pies. The vines make a vigorous growth and the fruit keeps well.

All pumpkins not otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c. ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$4.00; 10 lbs., \$7.00.

MAMMOTH PRIZE—The largest pumpkin grown; has attained a weight of 235 pounds. If you wish to see just how large a pumpkin can grow, try the Mammoth Prize. The quality is excellent. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.25; at purchaser's expense: 5 lbs., \$5.00; 10 lbs., \$9.00.

Radishes

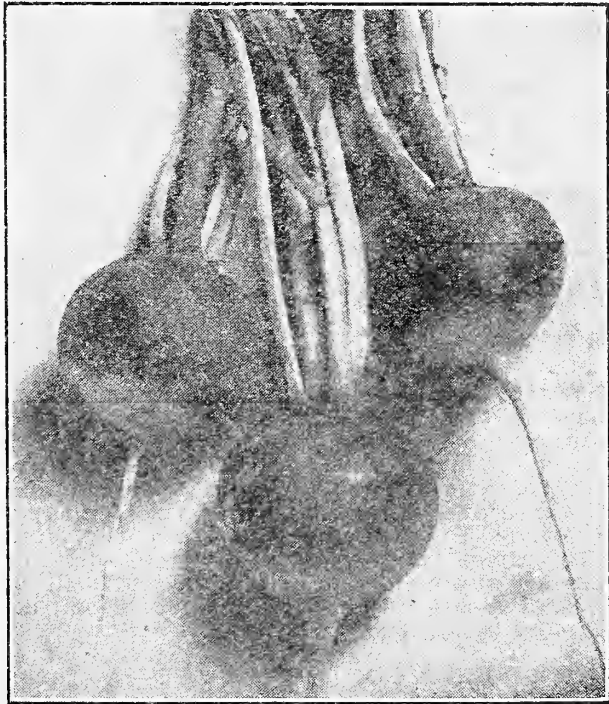
Is there any more appetizing vegetable than the radish? In the spring we welcome the early, so-called cherry-stone radishes, and during the summer and fall we all enjoy the delicious long and olive-shaped varieties. Radishes are delicious during the entire season if successive sowings are made. There is not a month from April to November that you need be without Radishes. If you have a hotbed they can be grown every month in the year.

CULTURE—For open ground culture sow in rich, sandy soil as soon in the spring as it is fit to work, in drills 12 to 18 inches apart and thin out the plants to prevent crowding. A good dressing of nitrate of soda will greatly stimulate growth and insure tender, brittle roots.

Turnip-Rooted, Early

CRIMSON GIANT—The largest early scarlet turnip-shaped radish. A very early radish, double the size of any of the other early turnip-shaped type, but notwithstanding its immense size, does not get hollow and pithy. The flesh is a sparkling white, solid, crisp and juicy, and of the mildest flavor. Excellent for both forcing and open ground.

SCARLET GLOBE—Similar in form to the Scarlet Turnip-Rooted, but much darker in color; flesh white, very crisp and tender, top small, well adapted for growing in frames.



Scarlet White Tipped

SCARLET, WHITE TIPPED—The favorite variety for outdoor cultivation; medium size, uniform shape; color bright scarlet, with white tip, which makes it most attractive. It grows quickly; flesh white, crisp and of the best quality.

The three foregoing varieties: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$3.75; 10 lbs., \$6.00.

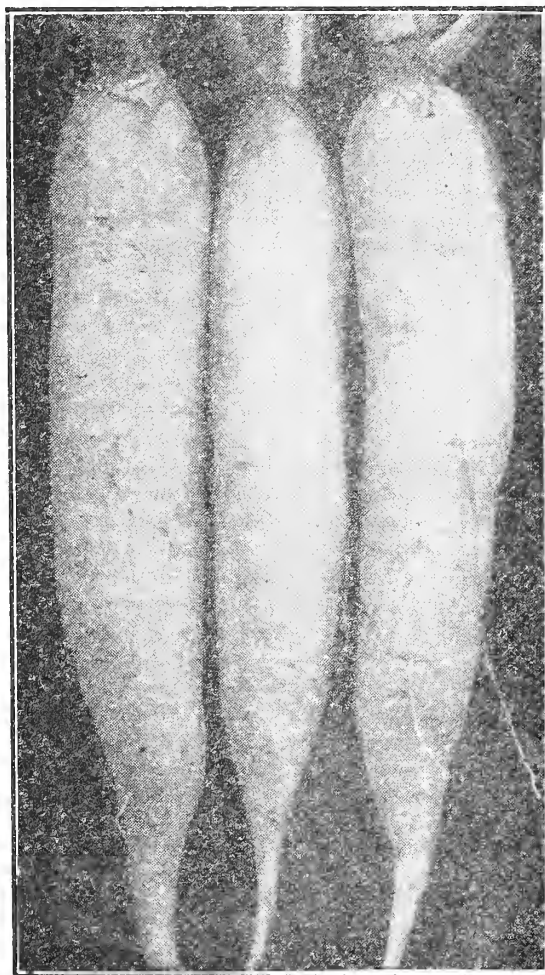
Olive Shaped, Medium Early

FRENCH BREAKFAST, OR HALF-LONG WHITE TIPPED—Medium size, of quick growth crisp and tender; terminates more abruptly than the Half-Long Scarlet, lower end of tap root white. Pkt., 5c; oz., 15c; 2 oz., 25c. ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$3.75; 10 lbs., \$6.00.

Long, Late

CHARTIER, IMPROVED—Roots long, tapering rather abruptly and attaining a very large size. Of rapid growth, it is soon ready for the table, remaining crisp and tender until fully grown. Color, scarlet above, shading into white at the tip. Flesh white and mild flavored.

ICICLE, WHITE—The finest of the pure white varieties. They are long and slender and clear, pure white, making them very attractive when on sale and on the table. It is crisp and tender both when young and until it attains a large size, thus remaining in condition for use for considerable time. Roots grow four inches in length and half an inch in diameter; they retain their crispness and fresh mild flavor until fully six inches long and an inch in diameter.



White Icicle

LONG SCARLET, RED—The leading variety either for the family or market garden. From six to eight inches long, standing nearly half above the ground; bright scarlet, smooth, crisp, tender and mild.

Chartier, Icicle and Long Scarlet. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$3.75; 10 lbs., \$6.00.

Winter

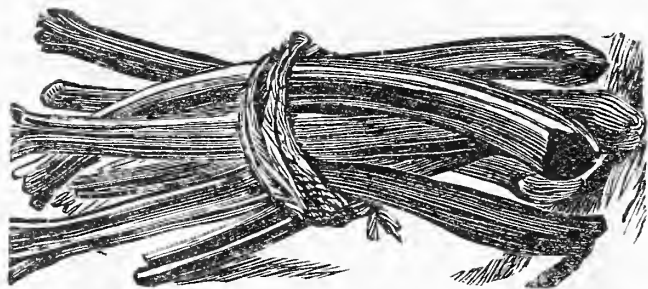
BLACK SPANISH, LONG—Very hardy and good for winter use. Will keep good all winter. The roots, which present a rusty, black appearance, are large, firm and not liable to become pithy.

CHINA ROSE—One of the best fall and winter varieties. Half-long shape; upper part bright crimson, shading to white. Flesh white, firm, tender and of superior quality.

CALIFORNIA MAMMOTH, OR WHITE CHINA—Very large and cylindrical, terminating abruptly with little tap-root; mild and tender, and keeps well all winter. The skin and flesh are of a transparent white.

All varieties of winter radishes: Pkt., 5c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$3.75; 10 lbs., \$6.00.

Rhubarb



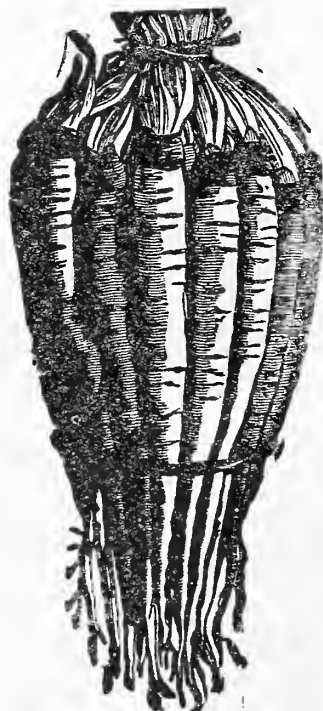
CULTURE—Sow in drills an inch deep, and thin out the plants to six inches apart. Transplant the young plants, setting them four to six feet apart each way. The stalks should not be plucked until the second year, and the plant never be allowed to exhaust itself by running to seed.

VICTORIA OR MAMMOTH—Very large; the finest cooking variety. Pkt., 5c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25.

Salsify VEGETABLE OYSTER

CULTURE — Sow early and quite deep, giving the general culture recommended for parsnips. The roots are perfectly hardy, and may remain out all winter, but should be dug early in the spring, as they deteriorate rapidly after growth commences.

MAMMOTH SANDWICH ISLAND — Of superior quality. Pure white. Very meaty and of fine flavor. Grows uniformly large. Pkt., 5c; oz., 25c; 2 oz., 40c; $\frac{1}{4}$ lb., 75c; $\frac{1}{2}$ lb., \$1.25; 1 lb., \$2.25.



Spinach

CULTURE—It is one of the most easily managed of all vegetables, requiring but little culture. For spring and summer use sow broadcast or in drills as early as possible. Then sow at intervals for successive crops. For very early spring use it is sometimes sown in August or September, protecting it slightly during the winter.

BLOOMSDALE SAVOY—The plant is of upright growth, with thick, glossy, dark green leaves which are crumpled or blistered like those of Savoy cabbage. It is quite hardy but will run to seed quickly as soon as warm weather comes.

DENMARK, KING OF—This new variety is undoubtedly the most valuable introduction of spinach in recent years. Although the plants are ready for use almost as soon as the medium early sorts they remain in good condition from a week to two weeks after all other varieties have gone to seed. The leaves are thick, stand well after cutting and are of good quality. We believe this variety will in a few years be one of the leading sorts as its distinctive qualities are sure to win favor for it from both the home and market gardener. Pkt., 5c; oz., 15c; 2 oz., 25c. $\frac{1}{4}$ lb., 35c; $\frac{1}{2}$ lb., 50c; 1 lb., 75c.



Long Standing

LONG STANDING — An improved variety, slow going to seed, and perhaps the best for general use.

NEW ZEALAND—Unlike the common spinach in type in that it thrives during hot weather and in any soil, rich or poor. The plant becomes very large and spreading. The leaves are comparatively small, broad and pointed. Plant three or four seeds in hills two feet apart each way. Pick the leaves from the stem, cooking these and you will have delicious greens all summer. It is tender and will not withstand frosts. Pkt., 5c; oz., 15c; 2 oz., 25c; $\frac{1}{4}$ lb., 40c; $\frac{1}{2}$ lb., 60c; 1 lb., \$1.00.

THICK LEAVED, IMPROVED—A variety which grows very rapidly, forming a cluster of large, very thick, slightly savoyed leaves of fine color and quality when cooked. Best for market gardeners.

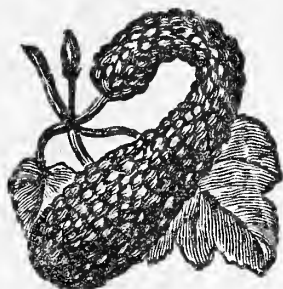
VICTORIA—The plants are fit for use early and remain in good marketable condition longer than some other kinds. The leaves are very thick and juicy and when prepared properly, develop a delightfully distinct, mild flavor.

All varieties of Spinach unless otherwise quoted: Pkt., 5c; oz., 10c; 2 oz., 15c; $\frac{1}{4}$ lb., 25c; $\frac{1}{2}$ lb., 40c; 1 lb., 65c; at purchaser's expense: 5 lbs., \$2.50; 10 lbs., \$4.00.

Squash

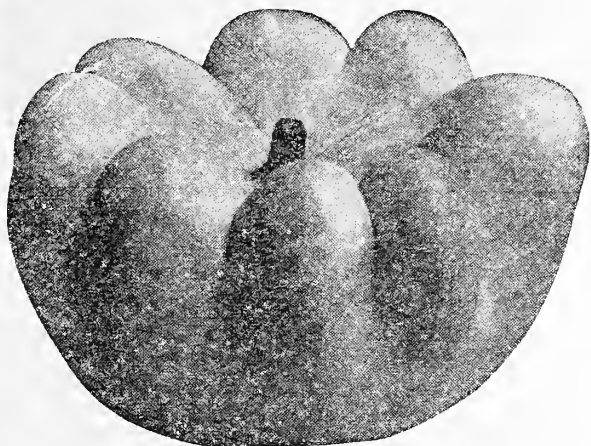
CULTURE—Delay sowing until the soil has become warm. The general principles of culture are the same as those given for cucumbers and melons. The summer varieties should be planted four to six feet apart each way, and the winter sorts eight to ten. Three plants are sufficient to a hill.

Summer



Summer Crookneck

CROOKNECK, EARLY YELLOW—An early prolific kind having a solid curved neck; the skin is yellow, thin, hard and very warty, flesh tender and of good quality.



Bush Scallop

BURPEE'S BUSH FORDHOOK—Of true bush growth with short thick fruits of remarkable quality. They may be grown for both summer and winter use. The fruits are 6 to 8 inches long, slightly ridged, with a smooth, thin, light lemon-yellow skin. The flesh is sweet and delicious.

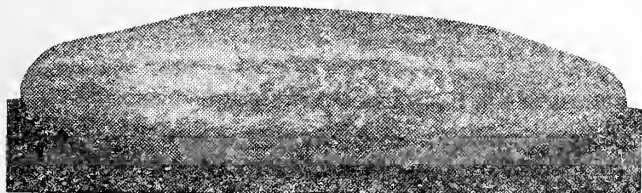
BUSH SCALLOP, EARLY WHITE—This is the well known, very early, somewhat flattened scalloped bush squash. The color is creamy white with comparatively smooth surface. The vines are vigorous and very productive. This variety is also known as Patty Pan or Cymling.

ENGLISH VEGETABLE MARROW—This is one of the very best summer varieties. Creamy white skin with pure white flesh, oblong in shape, usually measuring from ten to fifteen inches in length by from four to six inches in thickness.

The four summer varieties: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c. ½ lb., 75c; 1 lb., \$1.25.

Winter

All varieties of winter squash not otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.25.



Banana

BANANA—Grows from one to two feet in length. Flesh firm and solid, of beautiful orange-yellow, and excellent quality. Rind or shell smooth and grayish-green color. A good keeper.

CHILI MAMMOTH—Attains an enormous size, often reaching a weight of 200 pounds, and not infrequently weighs 300 pounds. Despite its size, its flesh is rich and fine flavored. It is especially desirable for stock feeding and exhibition purposes. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75.

DELICIOUS—Delicious is a fall and winter variety. Medium size. The fruit is moderately hard, usually dark green, but sometimes lighter in color and mottled, and are without any hard shell. The flesh is thick, very fine grained and bright yellow in color. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.00; 1 lb., \$1.75.



Warty Hubbard

HUBBARD, CHICAGO WARTY—One of the best of the winter squashes. The vines are vigorous and very productive. The fruit is large, heavy and warted, with a very hard shell. The skin is uniformly dark bronze green. The flesh is bright orange-yellow, fine grained, thick, dry and richly flavored. This squash can be kept in good condition until spring.

HUBBARD, SMOOTH—This is in all respects very much like the Warty Hubbard described above. It is of the same color and high quality, but is not warted and its shell is not quite as hard.

HUBBARD GOLDEN—They are wonderfully long keepers and can be held over in good condition for spring use. The shell is moderately warted, hard, strong and of a beautiful orange-red color, except for a bit of olive-green on the blossom end. The flesh is deep orange, dry and richly flavored.

PIKE'S PEAK—Large oval, tapering at the blossom end. Skin dark olive-green; light golden flesh of excellent quality. Vines vigorous and very productive.

All varieties of winter squash not otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.25.

Tomatoes

CULTURE—Sow early in hotbeds and as soon as they have four leaves transplant into shallow boxes. Harden off and set out as soon as danger of frost is over.

To insure best results in respect to early ripening train up and trim the vines. When the plants have been properly started and are six to ten inches high they will begin to throw out branches. Select the largest and most vigorous of these and pinch off all others except this one and the main stem. Care must be exercised not to pinch off the fruiting branches which, as they appear, can be distinguished by the buds that are formed

very early. In a short time these two remaining branches will become equally vigorous and as ordinary varieties will grow four to six feet high during the season, they should be securely tied at intervals of about ten inches to a long stake. Fruit will set to almost any height desired if all side branches are kept trimmed off at intervals of a week.

BONNIE BEST—A week later than Earliana, but with larger, smoother and sweeter fruits and also surpassing same in productiveness, as the vines bear continuously throughout the season. The fruits are very large handsome, very solid and deep through. Of bright scarlet color, ripen right up to the stem without any cracks or green core. Flesh thick, with comparatively few seeds and of sweet flavor. A good shipper. Bright red, smooth, medium sized, solid and very prolific. Pkt., 5c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.50.

CHALK'S EARLY JEWEL—The large, handsome fruits are very solid and deep through, being almost round or ball shaped. Color is brightest scarlet, ripening right up to the stem without any cracks. The foliage is rather sparse and open, admitting the sunlight to the center of each plant, so that all the fruit is thoroughly ripened. Pkt., 5c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.50.

DWARF CHAMPION, OR TREE TOMATO—The plant is dwarf and compact; fruit medium size, rich, glossy red, smooth and solid; fine for private gardens. Pkt., 5c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.50; ½ lb., \$2.75; 1 lb., \$5.00.

EARLIANA, SPARKS'—The earliest large and smooth tomato. The most perfect of all tomatoes. Of large, uniform size and beautiful red color. Quality almost beyond praise. A most vigorous grower and heavy bearer, continuing until frost. Sparks' Earliana is as near seedless as any tomato, giving but 12 to 15 pounds of seed to the acre, while other varieties yield from 75 to 100 pounds to the acre. Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.00.

JOHN BAER—An extra early scarlet fruited variety of superior merit. The vines are very hardy and exceptionally productive. The fruits are the largest of the extra early sorts and are most attractive in color. They are nearly round, smooth, firm and of excellent quality. It is one of the very earliest to ripen and it continues to furnish marketable fruits much longer than other very early varieties. Pkt., 5c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.50.

STONE—Fine for main crop; very large; color bright scarlet; very smooth, ripening up to the stem without a crack; exceedingly solid and firm fleshed; an excellent shipper; quality the very best. Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; ½ lb., \$1.75; 1 lb., \$3.00.

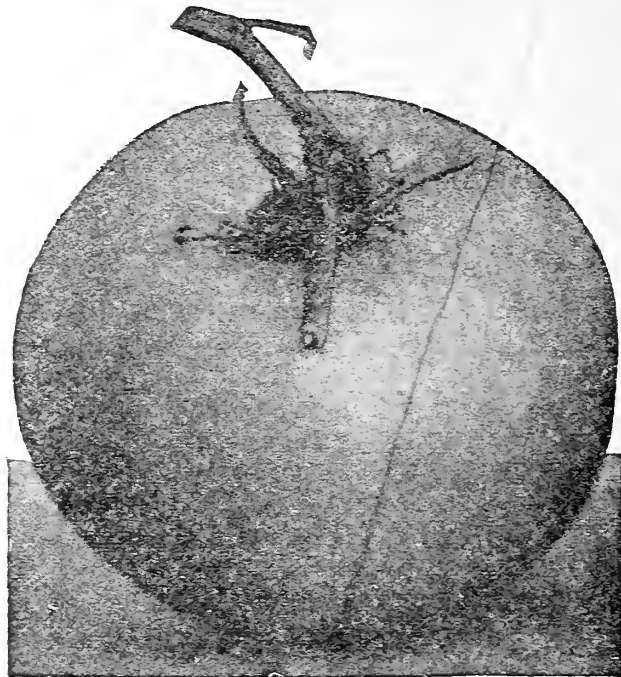
Small Varieties

GROUND CHERRY OR HUSK—Plants of low, spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk or covering. When ripe the fruits are an inch in diameter, bright yellow and of very sweet flavor; highly esteemed for preserving.

YELLOW PEAR—The name denotes shape, also color. It is a rich, clear, yellow color and is one of the very best for preserving.

Ground Cherry and Yellow Pear. Pkt., 10c; oz., 60c; 2 oz., \$1.00; ¼ lb., \$1.75.

THE BURBANK TOMATO



Mr. Burbank states that he has spent more than a dozen years in "evolving" this new "creation" through careful selective plant breeding.

The following is Mr. Burbank's personal introductory claims:

THE EARLIEST TOMATO IN THE WORLD —THE "BURBANK"

"By far the earliest, smoothest, solidest, most productive, and best of all early tomatoes; resists wilt and other tomato diseases better than most others. The 'Burbank' is so much earlier than other tomatoes that from the seed of the tomatoes which ripened here in June, a second crop has been again and again grown and ripened the same season, something probably never before known.

"Fruit, bright crimson; thick, solid, heavy, smooth, firm, medium to large in size; superior quality, unusually heavy and continuous bearer throughout the season; best keeper and shipper. The 'Burbank' has one other unique and most remarkable quality which will be appreciated by those who like fresh sliced tomatoes for the table. Unlike other tomatoes, the skin peels freely from the rich, firm flesh." Pkt., 10c; oz., 60c; 2 oz., \$1.00; ¼ lb., \$1.75; ½ lb., \$3.00; 1 lb., \$5.00.

Turnips

The value of Turnips and Ruta Bagas for feeding stock in fall and winter is not fully appreciated, as they are much liked by all kinds of stock and serve to keep them in good condition. We recommend that farmers increase their sowings largely, for we are sure the crop will prove remunerative for stock feeding as well as for table use.

CULTURE—For early use sow as soon as the ground can be worked, in drills 15 to 18 inches apart, and half an inch deep. For winter use, sow during July, as early sowings are unfit for winter use.

All varieties of turnips unless otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$3.75; 10 lbs., \$6.50.

ABERDEEN, YELLOW—Round, medium size, light yellow; strained with purple on top; produces a large crop; flesh very firm, tender and sweet.

AMBER GLOBE—One of the best yellow fleshed varieties, grown usually for stock feeding. The roots are of large size and of globular shape. The skin is clear yellow except the top which is tinged with green. The flesh is light yellow, fine grained and sweet. This variety keeps well and is a good cropper.

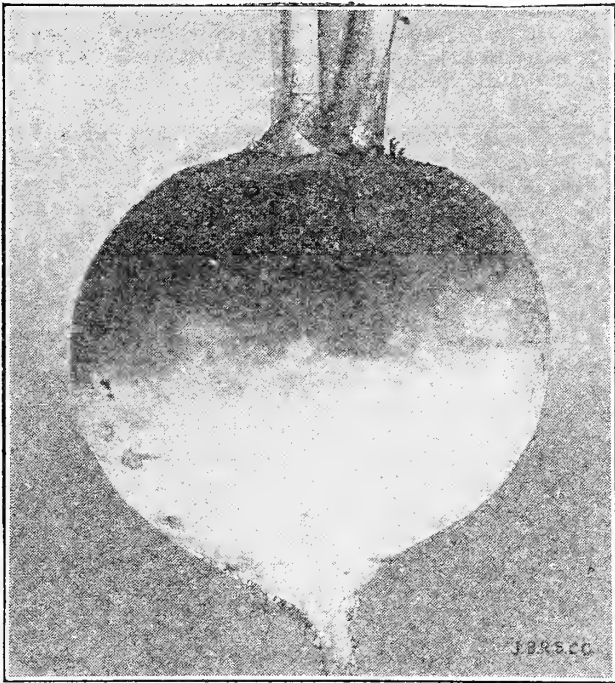
COWHORN—Sometimes called Long White is slightly crooked, pure white, except a little shade of green at the top. Grows half out of the ground and is of very rapid growth; is delicate and well flavored. An immense yielder.

EARLY FLAT WHITE DUTCH, STRAPPED LEAVED—A leading white-fleshed variety, and one of the best, either for family, market garden or field crop; of medium size and produces a large crop. The flesh is firm, but tender, and of a superior rich, buttery flavor.

MILAN, WHITE—The earliest of all. The earliest turnip and the best quality in its class. A fine, snowy-white color. The skin is so smooth and neat as to seem polished. The foliage is short. Size medium, and the flesh is white, tender and smooth grained. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.25.

POMERANIAN WHITE GLOBE, STRAPPED LEAVED—This is a free growing, rough leaved sort; perfect globe shape; skin white and smooth; leaves dark green.

PURPLE TOP, STRAPPED LEAVED, EARLY—One of the best and most universally grown; small, erect top, round, flat; purplish red above; white underneath; flesh firm, but very tender and sweet.



Purple Top White Globe

PURPLE TOP WHITE GLOBE—A perfect globe shape, with smooth, white skin; flesh pure white, firm and crisp. Purple above ground.

Purple Top, Strapped Leaved and Purple Top Globe: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; at purchaser's expense, 5 lbs., \$3.25; 10 lbs., \$5.50.

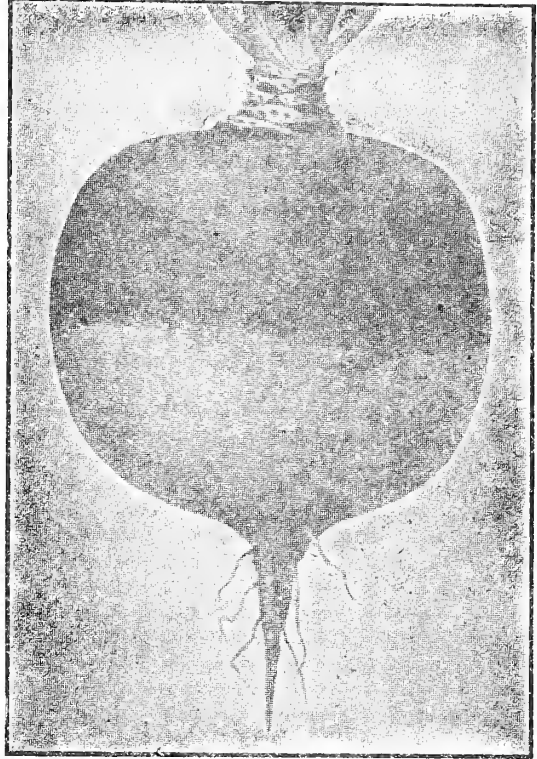
SNOWBALL—A perfectly globe-shaped, white skinned, turnip. The flesh is fine grained, firm and of very delicate flavor. Very early.

WHITE EGG—A quick growing egg-shaped, perfectly smooth, pure white variety, with small top and rough leaves. It grows half out of the ground; the flesh is very sweet, firm and mild.

All varieties of turnips unless otherwise quoted: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$3.75; 10 lbs., \$6.50.

Rutabagas OR SWEDES

For feeding stock in fall and winter there is nothing superior to rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We desire to call special attention to an improved Bangholm. If you have not used this, give it a trial and we believe you will be more than pleased.



Danish Purple Top.

BANGHOLM PAJBBERG (Improved Danish Purple Top)—This variety was awarded a first-class certificate by the Danish government for heaviest yield, having given 49 tons per acre.

This purple top sort is excellent both in shape and quality. The roots are of large size, slightly tankard shaped, with small neck and few or no side roots. The skin is yellow with purple top. The flesh is yellow, sweet and solid.

SWEET RUSSIAN OR WHITE—Hardy, easily grown, large and yields as much as the best yellow kinds; flesh free-grained and solid, but tender and well flavored; good for stock and desirable for the table.

YELLOW SWEDE OR RUTABAGA—Shape oblong, dull reddish color above ground, but yellow underneath; is harder than the common turnip and will keep till spring. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 50c; 1 lb., 85c; at purchaser's expense: 5 lbs., \$3.25; 10 lbs., \$5.50.

Bangholm and Sweet Russian: Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; ½ lb., 60c; 1 lb., \$1.00; at purchaser's expense: 5 lbs., \$3.75; 10 lbs., \$6.50.

Herbs

ANISE—Used for cordials, garnishing and flavoring. Pkt., 10c; oz., 25c.

CARAWAY—Grown for seeds; used for flavoring. Pkt., 10c; oz., 25c.

CATNIP OR CATMINT—Leaves and young shoots for seasoning. Pkt., 15c; oz., 75c.

CORIANDER—Seeds used in the manufacture of liquors, in confectionery and culinary preparations. Pkt., 10c; oz., 25c.

DILL—Seeds have an aromatic odor and pungent taste. Pkt., 10c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; ½ lb., 65c; 1 lb., \$1.00.

DOREHOUND—For seasoning and cough remedy. Pkt., 10c; oz., 50c.

LAVENDER—An aromatic, medicinal herb. Pkt., 10c; oz., \$1.00.

MARJORAM—Sweet; leaves and shoots used for seasoning. Pkt., 10c; oz., 40c.

SAGE—One of the most extensively used herbs for seasoning; hardy perennial about fifteen to eighteen inches high. Plant very branching; flowers usually blue, sometimes pink or white; leaves grayish green, oval, wrinkled. Pkt., 10c; oz., 75c; ¼ lb., \$2.50.

SUMMER SAVORY—Used for flavoring soups. Pkt., 10c; oz., 40c.

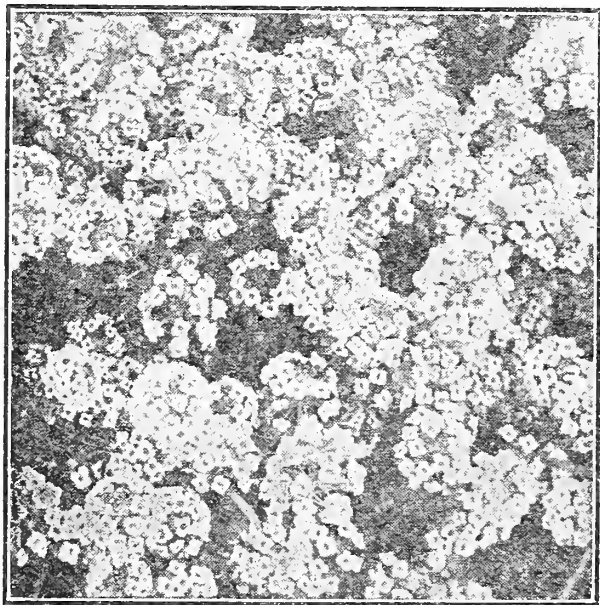
THYME—Leaves and young shoots used for seasoning; a tea is made from leaves, a remedy for headache. Pkt., 10c; oz., \$1.00.

Flower Seeds

In describing our flower seeds the letter (A) denotes annual variety; (B) biennial, and (P) perennial.

AGERATUM—Floss Flower (A)—One of the most useful and profuse-blooming plants known. A beautiful, hardy annual of neat, bushy habit. The attractive feathery flowers borne in dense clusters are very useful for bouquets. Very desirable for outdoor bedding and borders, being covered with bloom nearly all summer. Mixed. Pkt., 5c.

MEXICANUM COERULEUM—Blue. Pkt. 10c.
MEXICANUM GRANDIFLORUM — White. Pkt., 10c.



Alyssum

ALYSSUM LITTLE GEM (A)—The plants are very dwarf and spreading; they grow only three to four inches high, and each plant completely covers a circular space 12 to 20 inches in diameter. They soon become one mass of white, remaining in full bloom from spring to fall. Pkt., 10c; ½ oz., 40c; oz., 60c.

SAXATILE (P) (Basket of Gold)—A hardy perennial variety bearing an abundance of yellow flowers in April and May about nine inches high. Pkt., 10c.

AMARANTHUS (A)—Brilliant-foliaged annuals, growing from three to five feet high, bearing curious racemes of flowers. Useful in borders of tall plants or for the center of large beds. They thrive best in a hot, sunny location, not too rich soil, and given sufficient room to develop their full beauty.

Mixed: Pkt., 5c.

CAUDATUS (Love Lies Bleeding)—Blood red; drooping. Pkt., 5c.

ANEMONE (Coronaria) (P) (Wind Flower)—Among the earliest of spring flowers. They are about two inches across, with blue stamens, resembling the single poppy in shape and comes in several shades of color, and are profuse bloomers, gaining strength and beauty each year. Single, Mixed Pkt., 10c.

ARABIS OR ROCK CRESS (P)—This is one of the very earliest of all perennials to come into bloom. The blooms are produced in such great profusion that within a short time they appear like a mass of snow. They are excellent for the rock garden, where they thrive luxuriantly or for borders to other perennials. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

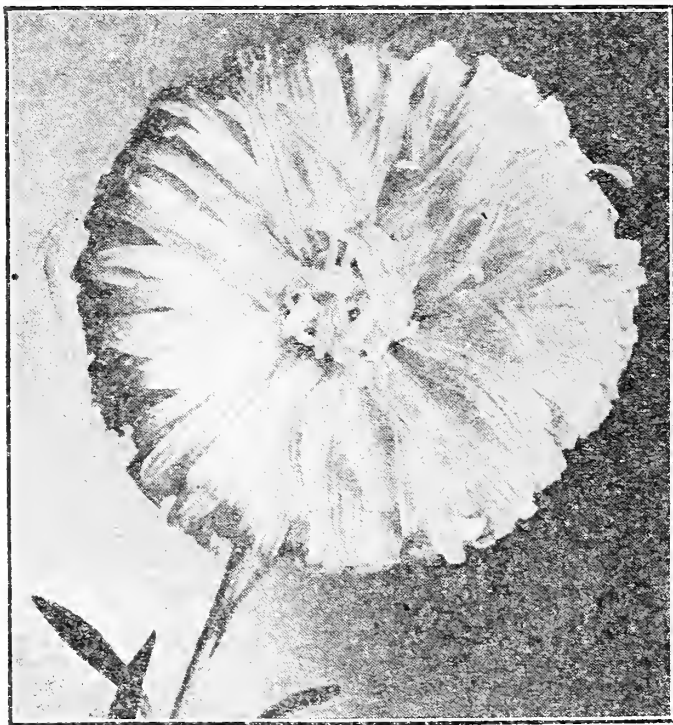
ASPARAGUS—This pretty foliage plant is quite well known under the name Asparagus Fern. It is extensively grown in pots, but is just as useful for cutting. An admirable house-plant for summer or winter. It grows freely and quickly and should be placed near a sunny window.

PLUMOSUS NANUS—A graceful foliage plant with fern-like leaves of a rich green color. The leaves are very finely divided and very useful for cutting. Excellent pot-plant. Pkt., 10c.

ASTERS

There is no more beautiful flower than the Aster, and there is none with a greater diversity of colors and sizes. These have been very much improved, so that today the largest and most beautiful resembles a fine Chrysanthemum more than it does an old-fashioned Aster.

The Aster is, perhaps, the most popular annual flower grown in this country, and justly so on account of its ease of culture, season of bloom, and lasting qualities.

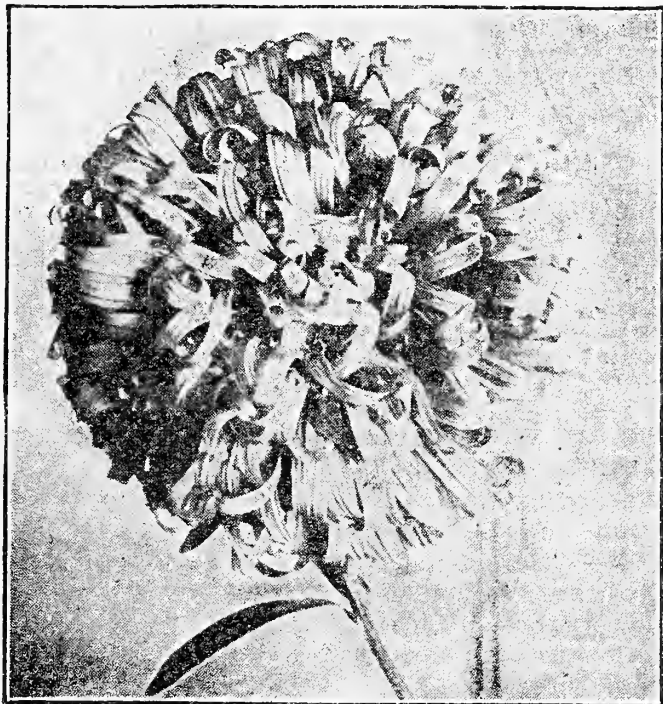


Giant Comet

COMET, GIANT (A)—Plants are of upright habit, about two feet high, producing long stemmed flowers composed of wavy petals. Flowers medium size, double and well formed. A good bedding variety. Shell Pink, Lavender and Mixed. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

IMPROVED CREGO (A) **PLANTS**—Robust; about two feet high. The large double flowers are well formed, of the Comet type, making a very fine variety for all purposes. Azure blue, crimson, lavender, pink, purple, white and mixed. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

SPECIAL ASTERS



Improved Ostrich Feather

IMPROVED OSTRICH FEATHER (A)—The finest type of the Giant Comet, or Ostrich Feather type of Asters. Much larger than the Giant Comet, the petals longer and more curled and twisted, and produced in greater abundance. Borne on long stems, which makes them cut flowers par excellence. Plants about 2½ feet high and robust in growth. Dark Blue, Shell Pink, Crimson, White, Rose, and Mixed. Pkt., 10c; ½ oz., 75c; oz., \$1.25.



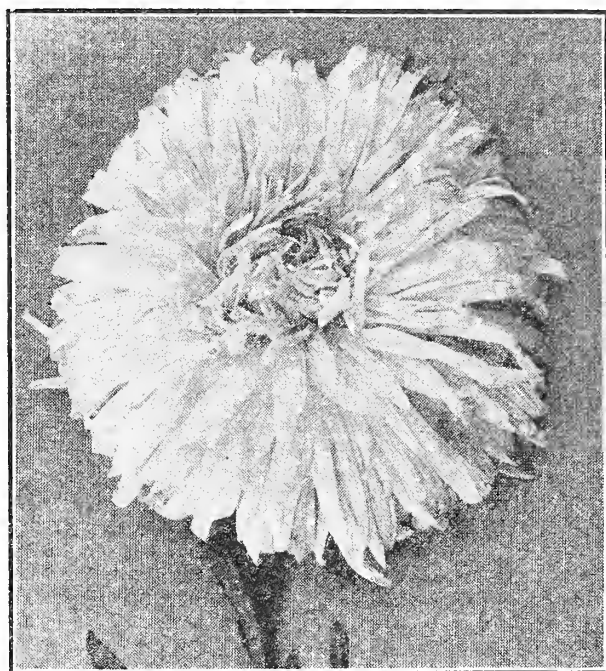
Vicks Branching

VICKS BRANCHING, also known as American Branching—This class of Asters bloom very profusely during the fall months, coming into bloom immediately after the Cregos.

Plants grow from 2½ to 3 feet high; branch freely and of robust habit, bearing a large number of well formed, nearly round, double flowers of good size. Blue, Lavender, Pink, Scarlet and Mixed. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

EARLY BEAUTY—This Aster has been developed; is considered a very introduction and has steadily increased in popularity. The Beauty Aster is divided into two classes, namely Early Beauty and Late Beauty. The Early Beauty, however, is not considered an early variety, but is so called to distinguish it from the Late Beauty. The Early Beauty comes into bloom at about the same time as Cregos and American Branching, while the Late Beauty is one of the very latest of Asters. The seed we are offering is of the Early Beauty type. Plants grow from 2 to 3 feet high and are unusually vigorous. The large double flowers measuring from four to five inches across, are borne on long, stout stems ranging from 18 to 24 inches.

Mixed: Pkt., 15c; ½ oz., \$1.50; oz., \$2.00.



California Giants

CALIFORNIA GIANTS (A)—After several years of hybridizing and selection, the grower reports that the California Giant Asters possess the robust habit, vigorous growth and length of stem found in the best types of other varieties and adds that their flowers are much larger than the Improved Crego, often measuring five to six inches in diameter, and that they are characterized by the Ostrich Feather type of flowers. Their size, beauty and length of stem make them very attractive and desirable. Peach, Deep Rose and Mixed. Pkt., 15c; ½ oz., \$2.25; oz., \$4.00.

HEART OF FRANCE (A)—The best pure red Aster ever introduced. The flowers are large and full with never a trace of hollow center. The plants are of branching type and very robust habit. The stems are long and strong and have very few laterals. They retain their brilliancy and luster for a longer period than almost any other color. Medium early. Pkt., 10c; ½ oz., \$1.00; oz., \$1.50.

SENSATION—This is the reddest of all Red Asters, the color being a rich garnet or ox-blood red, which glistens in the sunshine like a live coal. The plants are of free-branching habit, about 18 inches high; the very double flowers, averaging 3½ inches across, are borne freely on stems a foot long from early in August till the close of September. The intense color shows up well when cut, and makes a very brilliant bit of color in a bed or border. Pkt., 10c; ½ oz., \$1.00; oz., \$1.50.

ASTERMUM—(What is it?) (A)—A strain of Comet Asters which on account of their immense size and chrysanthemum-like appearance have appropriately been named Astermums. They were first exhibited at the convention of American florists in 1912 and attracted great attention. The plants grow about two feet high with long, strong stems. Most of the flowers are five inches across. Mixed Pkt., 10c; ½ oz., 75c; oz., \$1.25.

BACHELOR'S BUTTON, OR CENTAUREA CYANUS—Also called Corn Flower—(A)—A hardy annual, easily cultivated. Has recently been greatly improved, and now produces handsome flowers of a great variety of rich colors. Borne on tall, branching stems, with but little foliage. Striking and handsome. Single. Mixed Pkt., 5c; ½ oz., 25c; oz., 40c.

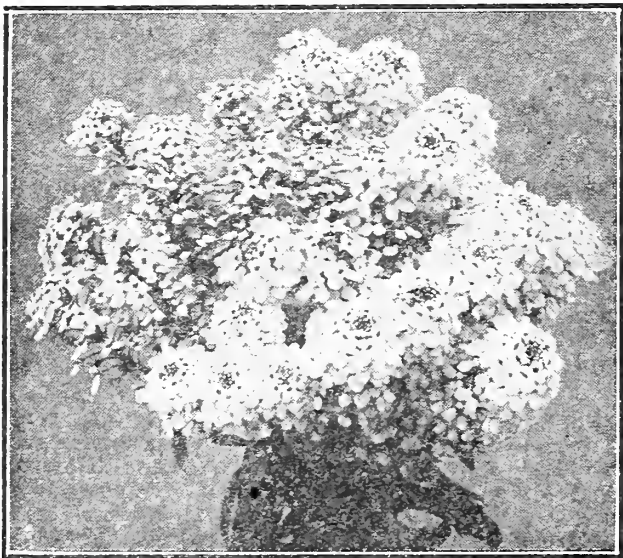
BALSAM OR LADY'S SLIPPER (A)—An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant-colored double flowers in the greatest profusion; of easy culture; succeeds in a good rich soil; tender annuals; 2 feet. Start the seed indoors in April or sow out of doors in May. To grow fine specimens they should not be closer than 18 inches apart. Double Cameilla-Flowered — Mixed. The largest double variety. Pkt., 10c; Single Cameilla-Flowered. Mixed, Pkt., 10.

BEGONIAS (P)—Begonias are among the most beautiful of flowering plants, especially adapted to pot culture. Dwarf. Mixed, Pkt., 25c.

BLUE LACE FLOWER (A)—Grows into an upright plant of about two feet in height. Each branch ends in an umbel of light sky-blue flowers which spread out in an umbrella-like fashion, crowning each shoot with a beautiful and delicate head of flowers. Pkt., 20c.

CALENDULA (POT MARIGOLD) (A)—Very hardy annual, one foot high, blooming freely practically the whole year round. Is of the easiest culture and is desirable for rather inferior soils, where less sturdy flowers do not thrive. A medicinal extract resembling arnica is made from the flowers. Double Mixed, Pkt., 5c; oz., 25c.

ORANGE BALL (A)—This is a very fine double calendula, a magnificent flower, growing to enormous size, and is outstanding because of its rich orange-yellow color. The flowers are well rounded and fully double to the center. They are made up of enormous broad substantial petals. The long-stemmed blooms are very fine for cutting. Pkt., 10c; ½ oz., 25c; oz., 40c.



Candytuft.

CANDYTUFT (A) (Iberis)—Showy, branching plants twelve to fifteen inches high and bear-

ing in profusion terminal clusters of beautiful single cruciform flowers in a wide range of colors. Considered indispensable for cutting and very effective in beds, masses or rockeries.

Empress (A). White. Pkt., 10c; ½ oz., 30c; oz., 50c. Mixed (A), Pkt., 5c; ½ oz., 25c; oz., 40c.

CALLIOPSIS (A)—A quick growing annual. The flowers are placed on graceful wavy stems and in color run through all the shades of red and yellow; foliage dainty; useful combined with other flowers. Tall double mixed. Tall, single. Mixed. Pkt., 5c; ½ oz., 30c; oz., 50c.

CANNA FRENCH—Crozy's dwarf, mixed—(P)—Ornamental tropical-looking plants of easy culture; large and beautiful flowers. Hardy perennial. Pkt., 10c.

CANTERBURY

BELLS (Campanula Calycanthemum)

(Cup and Saucer)

(B) — Produces

beautiful single

flowers three inches

in length with saucers

three to four

inches in diameter.

The plants form

pyramids of bloom

bearing from 100 to

200 of these ex-

quisite blossoms

for weeks during

the early summer.

A hardy biennial

2½ feet high, flower-

ing the second

season from seed.

White, Blue, Pink.

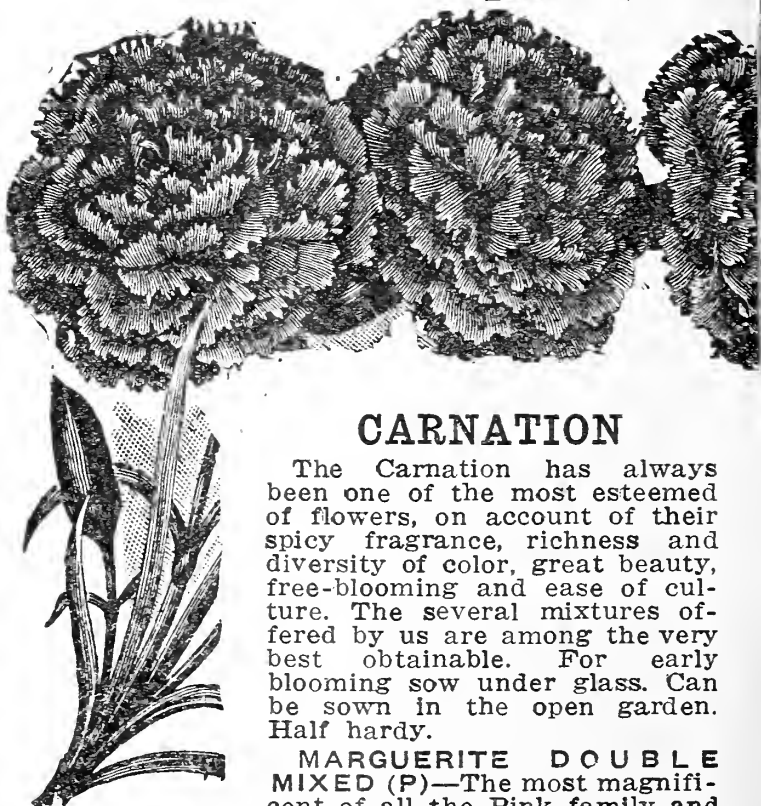
Pkt., 15c; ½ oz.,

\$1.25; oz., \$2.00;

mixed, all colors,

pkt., 10c; ½ oz.,

60c; oz., \$1.00.



CARNATION

The Carnation has always been one of the most esteemed of flowers, on account of their spicy fragrance, richness and diversity of color, great beauty, free-blooming and ease of culture. The several mixtures offered by us are among the very best obtainable. For early blooming sow under glass. Can be sown in the open garden. Half hardy.

MARGUERITE DOUBLE MIXED (P)—The most magnifi-

cent of all the Pink family and general favorite for their delicious fragrance and richness of color. Pkt., 10c; ½ oz., 75c; oz., \$1.25.

GIANT MALMAISON (P)—An exceedingly fine mixture. Pkt., 15c; ½ oz., \$1.00; oz., \$1.50.

CHABAUDS EARLIEST FRENCH MIXED (P)—Produces double, sweet-scented flowers, in a great variety of colors and in great profusion. Pkt., 15c; ½ oz., \$1.00; oz., \$1.50.

CENTAUREAS

Centaureas embrace some foliage plants but are most generally known for their hardy flowering annuals which include some of our most graceful and showy garden flowers that have long been favorites for cutting. The tall slender straight or slightly branching plants with narrow leaves thrive well in common garden soil. They produce bright colored single and double heads of flowers on long graceful stems and some sorts are fragrant.

IMPERIALIS ROYAL SWEET SULTAN (A)—This beautiful class is undoubtedly the finest of all Sweet Sultans for cut flower purposes. The beautiful sweet-scented artistic-shaped flowers are borne on long, strong stems, and when cut will stand for several days in good condition. It is best, in this latitude, to sow very early in the spring, so that they may perfect their flowers before very hot weather arrives. Mixed Pkt., 10c; ½ oz., 35c; oz., 60c. Blue, Pkt., 10c; ½ oz., 45c; oz., 70c.

CANDIDISSIMA OR WHITE LEAVED DUSTY MILLER (A)—Silvery white; leaves broadly cut. Fine for bedding, vases, hanging baskets and pots; also extensively used for margins. As an edging to a bed of dark-leaved Cannas or Scarlet Sage these are particularly effective. Sow the seed early indoors, and transplant in May. Pkt., 10c; ½ oz., 55c; oz., 90c.

CHILDSII, CHINESE WOOL FLOWER (A)—A distinct form of the plumed Celosia, with beautiful, ball-shaped flower-heads of a purplish crimson color, somewhat resembling a ball of wool. It flowers profusely during summer and fall. Two to three feet tall. One of the finest fall-blooming annuals. Pkt., 15c.

CELOSIA (COCKSCOMB) (A)—Free blooming annuals, growing best in light soil not too rich. They make splendid border plants and are attractive for pots. Fine dwarf, mixed, pkt., 10c; ½ oz., 75c; oz., 1.25.

CHRYSANTHEMUMS (A)—These outdoor "summer Chrysanthemums" are showy and effective for bedding or borders in the garden and desirable for cut flowers. Plants become more bushy and shapely if pinched back in early growth and the practice of disbudding will result in much larger flowers. These annuals are not the winter flowering sorts sold by florists and which are propagated only by division of roots. Double Mixed, Pkt., 10c; Single Mixed, Pkt., 5c.

CLARKIA (A)—Handsome, free flowering annuals of easy cultivation. Produce a fine effect massed in beds. Flowers are very bright and attractive. Double mixed, pkt., 5c.

COLEUS (P)—Magnificent ornamental foliage plants for house or garden culture. The leaves are of many shapes, and the shades and colors are of remarkable beauty. Finest Hybrids Mixed, extra choice, pkt., 25c.

COLUMBINE OR AQUILEGIA (P)—A delightful hardy perennial, growing about two feet high, and splendid for permanent beds and borders. Thrives in partial shade and under the spray of a fountain or other moist location. Bears exquisite blossoms of clear blue, white, rose, purple and striped. Single mixed, pkt., 10c; ½ oz., 60c; oz., \$1.00. Double mixed, pkt., 10c; ½ oz., 75c; oz., \$1.25.

COREOPSIS (LANCEOLATA) (P)—Blooms the first year; flower rich yellow, single; very fine for cutting. Pkt., 10c.



Cosmos

COSMOS (A)—Very effective for autumn flowering in broad masses or backgrounds. A hardy and rapid grower, forming bush-like high, covered with large flowers somewhat resembling the single dahlia. They are gracefully poised on long stems and very useful for decorative purposes. Extra early, mixed, single, pkt., plants with feathery green foliage, four feet 10c; ½ oz., 35c; oz., 60c. Extra early, mixed, double, pkt., 20c; ½ oz., \$1.00; oz., \$1.75.

DAHLIA (P)—But few people know Dahlias can be raised from seed and will bloom the first year. Plant in a shallow box or pan early in March or April, transplant carefully as their growth demands. When all danger from frost is over transplant to bed or border in the garden. As the tubers are not hardy it is necessary to dig them up each fall to protect from frost. Double Mixed, pkt., 15c; ½ oz., \$1.25; oz., \$2.00. Single Mixed, pkt., 10c; ½ oz., 75c; oz., 1.25. Double Cactus, Mixed, pkt., 15c; ½ oz., \$2.25; oz., \$4.00.

DAISIES

AFRICAN DAISY (Dimorphotheca Aurantiaca) (A)—A rare and extremely showy annual from South Africa which has become a great favorite on account of its very easy culture and beautifully colored flowers. Its Marguerite-like blossoms, produced in great profusion, are 2½ to 3¼ inches in diameter. These are a unique glossy rich orange gold, which brilliant coloring is rendered more conspicuous by the dark disk surrounding the black zone. Pkt., 10c.

BELLIS, DOUBLE ENGLISH DAISY (P)—A favorite perennial which will stand the winter if given the protection of a little litter. In bloom from early spring until well on in the summer. Easily raised from seed, which may be sown any time from spring till August. For best results, new plants should be raised from seed each year. Mixed, pkt., 15c; ½ oz., \$1.50; oz., \$2.50.



Shasta Daisy

SHASTA (P)—A most remarkable new flower, originated by Luther Burbank, of California; bears flowers of the snowiest white, with yellow centers; blooms the first season and should be sown in boxes early and transplanted. Pkt., 15c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.

Everlasting

ACROCLINUM (A)—A very pretty half hardy annual producing white and rose colored, double daisy-like flowers, about one-half inch in diameter. Each flower head is borne singly on a very long stem; leaves small, narrow, alternate. Grows about 15 inches high, double. Mixed, Pkt., 10c.

HELICHRYSUM (A)—Sometimes called the Straw Flower. Large, full, double daisy-like flower heads with prominent centers and stiff overlapping scales, produced in various shades of bright yellow and scarlet on stems of good length. Desirable as dried specimens and for use in making winter bouquets. For this purpose the flowers should be gathered when on the point of expanding. Sow early in spring; thin to one foot apart each way. Hardy, 2 to 2½ feet high. Monstrosum, fl. pl., finest mixed. Largest double flowers, pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 75c.

STATICE (Sea Lavender) (P)—One of the most highly prized amongst the everlasting flowers, as it consists of masses of small bright flowers on large sprays, which when dried make fine winter bouquets. Mixed. Pkt., 10c.; $\frac{1}{2}$ oz., 50c; oz., 75c.

FORGET-ME-NOT (MYOSOTIS) (P)—A modest little flower. A pretty trailer with blue flowers. Pkt., 10c; $\frac{1}{2}$ oz., 65c; oz., \$1.00.

FOUR O'CLOCK (MIRABILIS) (A)—Is also called Marvel of Peru. A handsome, free-flowering, sweet-scented plant. They open their blossoms about four o'clock in the afternoon, hence their name. Choice mixed, pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 40c.

FOXGLOVE (Digitalis) (P)—Handsome, ornamental, hardy plants of stately growth. The seed, though small, germinates readily and the plants succeed well even in poor soil if given a half shady location. The spikes are often three to five feet long and thickly strung with scores of thimble-shaped flowers. Mixed colors, pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 75c.

GAILLARDIA (BLANKET-FLOWER) (A)—Splendid showy annuals, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom from early summer till November; excellent for beds, borders, or for cutting; should be sown where they are to bloom; height 2½ feet. Fine Mixed Double, pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 75c; Perennial, Single, Mixed, pkt., 10c; $\frac{1}{2}$ oz., 65c; oz., \$1.00.

GERANIUM (P)—Comparatively few are aware that Geraniums may be grown easily from seed and flower the first season if sown early. This is the best way to secure Geraniums, as they will frequently reward the cultivator with charming new varieties. In fact, propagation by seed is the only way to obtain new varieties. Very tender and must be protected from the slightest frost. Zonale Mixed, pkt., 20c; $\frac{1}{2}$ oz., \$1.75; oz., \$3.00.

GEUM—Mrs. Bradshaw. A pretty perennial of low growth sending up flower-stems two feet long. The flowers are double and measure two inches in diameter. They are a most intense orange-scarlet. They do best in a moderately dry soil and in an airy and sunny location. Pkt., 15c.

GODETIA (A)—An attractive, hardy annual deserving more extensive cultivation. The plants bloom profusely and bear showy flowers of rich and varied colors, one and one-half feet. Mixed, pkt., 5c; $\frac{1}{2}$ oz., 50c; oz., 75c.

GYPSOPHILA OR BABY'S BREATH (A)—A pretty, free-flowering plant. Fine for bouquets. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 30c. Perennial, pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 75c.

HELIOTROPE (P)—A half-hardy perennial, growing about 18 inches high. Small flowers, borne in graceful clusters and very fragrant. Blooms the first season from seed if sown early. Forms a large plant and requires a roomy situation. Can also be grown against a wall and made to assume the character of a climber. Finest mixed, pkt., 15c; $\frac{1}{2}$ oz., \$1.25; oz., \$2.00.

HOLLYHOCKS (P) Chater's Superb Double. Finest Mixed—These fine, old-fashioned perennials are most striking when planted in groups of long rows; their variety of color is wonderful. When plants are once obtained they last for several seasons. Double mixed, pkt., 10c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.

ICE PLANT—Tender Annual Trailer—A pretty little trailer for baskets or massing; 6 inches high. Leaves covered with crystalline drops. Flowers white or pink. Valued for its remarkable foliage. Pkt., 10c.

JOB'S TEARS—Coix Lachryma—An annual ornamental grass, with broad, corn-like leaves and hard shining seeds of peculiar appearance, giving the plant its name. Two feet. Pkt., 5c.

KOCHIA TRICHOPHYLLA (Mexican Fire Bush, or Summer Cypress) (A)—A quick growing foliage or hedge plant, very symmetrical and attractive in summer and fall. The foliage is as fine as moss and of clean, bright, green color. Early in the fall innumerable little flowers appear and the bush takes on a deep red tinge. Sow outdoors early in spring, covering one-fourth inch deep; about two and one-half feet high. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 40c.



Heliotrope

LARKSPUR (A) (Delphinium)—The Larkspur with its long clustered spikes of beautiful irregular flowers, often with long spurs is especially valuable for its shades of blue. The annual forms are very desirable for bedding and the perennials are strikingly effective as a background for borders and for planting among shrubbery. Seed of annual varieties may be sown outdoors early in spring. For earlier blooming start very early indoors or sow in fall. Thin one to one and one-half feet apart. The perennial sorts are sown in fall or early spring.

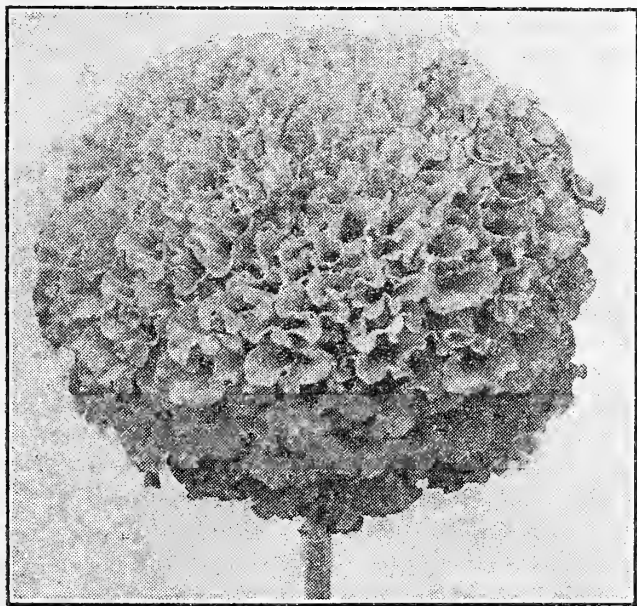
ANNUALS—Double Dwarf Rocket, mixed, Double Fall Rocket mixed, pkt., 5c; ½ oz., 40c; oz., 65c. Perennial, mixed, large flowering, dark blue, pkt., 10c; ½ oz., \$1.75; oz., \$3.00.

LINUM (Scarlet Flax) (A)—One of the most effective and showy bedding plants, of long duration, having fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; one foot. Pkt., 5c.

LOBELIA (A)—A very valuable and beautiful dwarf-growing plant, delicate drooping habit and profusion of charming little blue and white flowers.

Dwarf single, mixed, pkt., 10c; ½ oz., \$1.00; oz., \$1.75. Single Tall Blue Speciosa, pkt., 10c. Single Dwarf Blue, pkt., 20c.

MARIGOLD



Tagetes (A)—The African and French Marigolds are great favorites; free-flowering, hardy, of easy culture. The African varieties grow two to three feet tall, bear large yellow or orange-colored flowers, and are adapted for large beds or mixed borders. The French varieties are dwarfer in growth, with beautiful striped flowers three to four inches in diameter, and are better suited for bedding and pot culture. They succeed best in light soil with full exposure to the sun. Either variety is splendid for cut flowers.

African

LEMON BALL—Extra large, round, double flowers of a clear canary-yellow. Large round plants with attractive dark green foliage. The flowers are borne profusely and are most attractive either in beds or borders. The beautiful flowers combine large size with good form and beautiful coloring. A continuous bloomer from July until frost. Tall, Pkt., 10c; ½ oz., 45c; oz., 75c.

ORANGE BALL—Enormous double flowers of intense rich orange. The flowers are produced in great profusion from July until cut down by frost. Tall, pkt., 10c; ½ oz., 45c; oz., 75c.

DWARF DOUBLE—About one and one-half feet high; large flowers; desirable for shrubbery or mixed border. Mixed, pkt., 10c; ½ oz., 45c; oz., 75c.

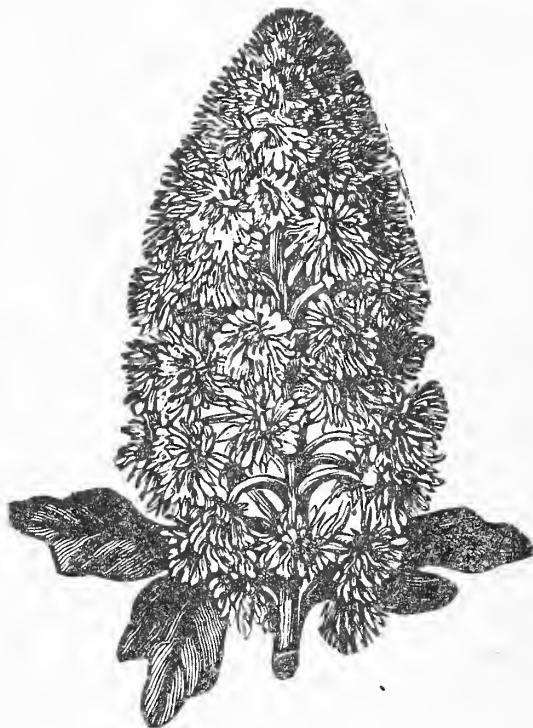
TALL DOUBLE—About two feet high with flowers three to four inches in diameter, in shades of yellow and orange. Mixed, pkt., 10c; ½ oz., 45c; oz., 75c.

French

DWARF DOUBLE—One foot high with large flowers. Mixed, pkt., 10c; ½ oz., 45c; oz., 75c.

TALL DOUBLE—One and one-half feet high with large double flowers. Mixed, pkt., 10c; ½ oz., 45c; oz., 75c.

LEGION OF HONOR—A lovely variety with single flowers borne profusely and continuously. The blooms are rich golden yellow, marked with a large spot of velvety crimson at the base of each petal. Of compact growth. 9 inch in height. Pkt., 10c; ½ oz., 45c; oz., 75c.



Mignonette

A well-known hardy annual producing dense spikes of exceeding fragrant flowers and much esteemed for their delightful fragrance, if sown in intervals, it will bloom until frost.

Allan's Defiance—Spikes grow to a remarkable size and delicious fragrance. The individual florets are of immense size, forming a graceful as well as compact spike. Of extraordinary keeping qualities, retaining their grace and fragrance until every bud opens. Mixed, pkt., 10c; ½ oz., 50c; oz., 75c.

GOLDEN MACHET—A compact growing variety with medium long thick spikes of yellow flowers. Pkt., 10c; ½ oz., 50c; oz., 75c.

MOSCHATUS (Musk Plant) (P)—Small yellow flowers, fragrant foliage; leaves musk scented; fine for hanging baskets. Pkt., 10c.

NASTURTIUM

For ease of culture, duration of bloom, brilliancy of coloring and general excellence nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position, and from within a few weeks from the time they are grown until hard frost comes there is an endless profusion of their gorgeous blossoms. No annual will produce such a lavish profusion of flowers for so long a time, with the same small outlay of time and labor. The maximum of bloom is produced in light or sandy soils and seldom diminishes through the hot weather.

Dwarf

GOLDEN KING—This is a very fine rich glowing orange-yellow and blends well with the dark purplish green foliage.

KING OF TOM THUMBS—In brightness of color this is most outstanding. The blooms are intense pure scarlet. They are of largest size and well-rounded form. In freedom of bloom and fine habit, King of Tom Thumbs takes second place to none. A most popular variety.

VESUVIUS—An exceptionally popular variety with immense blooms of exquisite texture and artistic proportions. The color is a fine salmon-rose beautifully marked with salmon-orange veins.

Golden King, King of Tom Thumbs and Vesuvius: Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.10; 1 lb., \$2.00.

Finest Mixed—This mixture is selected from the very finest varieties and when planted in beds or masses will present a most brilliant and pleasing effect. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.25.

Tall

CLOTH OF GOLD—The name Cloth of Gold has been given to this variety because of its bright golden foliage. The plants make fine round bushes and bear large, brilliant scarlet flowers on long stems above the foliage. The contrast between the yellow leaves and the rich scarlet flowers is striking yet pleasing. It is a profuse bloomer.

JUPITER—Very large, golden-yellow flowers with large foliage, very strong grower, usually 12 to 15 feet high; free blooming.

TWILIGHT—This is a delicate salmon suffused with rosy salmon. It is a shade that contrasts well with either light or dark shades. The flowers are of excellent form and always of large size. The plants are vigorous, strong growing, and free blooming. Twilight deserves a place in every garden.

Cloth of Gold, Jupiter and Twilight: Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.10; 1 lb., \$2.00.

FINEST MIXED—This is a very superior mixture and consists of a number of the best-known varieties and will, without doubt prove highly satisfactory. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; ½ lb., 75c; 1 lb., \$1.25.

The tall Nasturtiums are particularly fine for massive beds or broad borders, or may be easily made to climb low fences or wire netting. They are particularly showy when planted at the top of a steep slope and allowed to run down the bank.

Variegated

QUEEN OF TOM THUMBS—Neatly rounded bushes with beautifully variegated and marbled leaves of silvery white. The flowers are a rich purplish crimson and are shown to the greatest advantage against the background of the bright foliage. It makes wonderful beds and borders. Dwarf. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.10; 1 lb., \$2.00.

Tall Mixed—The colors range from deep crimson to yellow, buff and spotted; of fine form and of the largest size. Very effective, forming a fine contrast to the silver variegated or cream and green colored leaves of the foliage. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; ½ lb., \$1.10; 1 lb., \$2.00.

NEMOPHILA — BABY EYES — LOVE-IN-THE GROVE (A)—A charming little annual plant, thriving especially well in moist, shady places, but quite at home in the open garden. The pretty, bell-shaped flowers are freely produced all summer. Plants eight inches high; of neat, bushy habit. Mixed, pkt., 5c.

NICOTIANA — AFFINIS (Tuberose-Flowered Tobacco) (A)—Delightfully sweet-scented, tubular flowers, blooming continually; annual, two to three feet high. Mixed pkt., 10c.

NIGELIA—LOVE-IN-A-MIST or DEVIL-IN-THE-BUSH — DAMASCENA (A)—A compact, free-flowering plant with finely cut foliage, curious-looking flowers and seed pods; of easy culture, growing in any garden soil; hardy annual, blue and white mixed. Height one foot. Pkt., 10c.

PANSIES

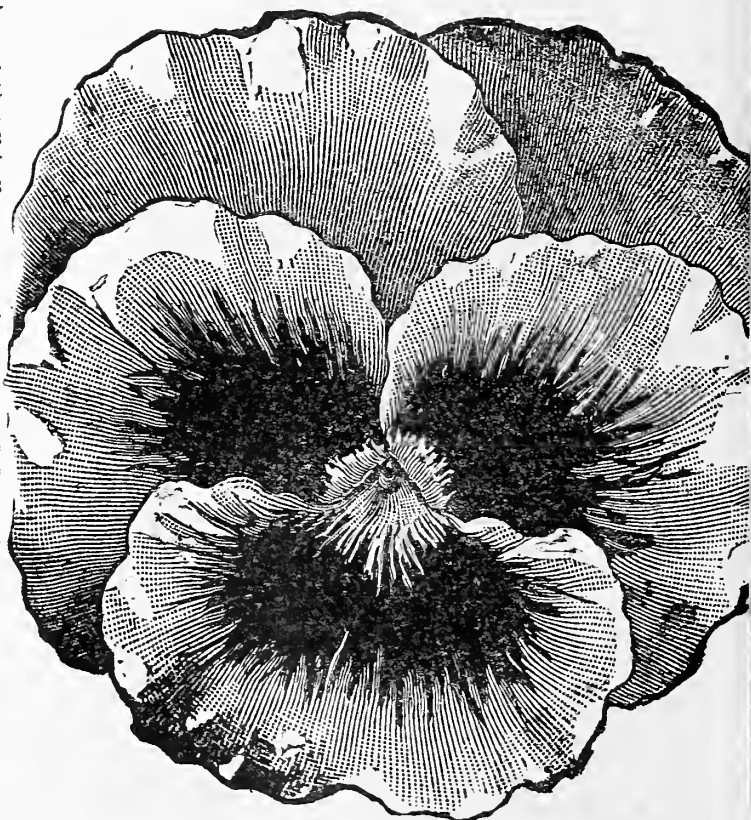
PANSY — (VIOLA ARICOLOR) (P)—A half hardy perennial, growing four to six inches high and probably the best known and among the most popular flowers in cultivation. It thrives best in a moist, shady location, and in rich, loamy soil. Seed should be sown in the autumn for early spring blossoms, or can be sown early in the year for good flowers later in the spring.

FAUST—King of the Blacks—Almost coal black. The darkest Pansy grown. Pkt., 15c. ½ oz., \$1.50; oz., \$2.50.

GOLDEN QUEEN—The petals are pure golden yellow. The flowers are borne profusely and are most attractive either in beds or borders. The beautiful flowers combine large size with good form and beautiful coloring. The best yellow yet introduced. Pkt., 15c; ½ oz., \$1.50; oz., \$2.50.

TRIMARDEAU CANDIDISSIMA—Snow white. pkt., 20c; ½ oz., \$1.75; oz., \$3.00.

FINEST MIXED—Fine assortment of colors. Pkt., 10c; ½ oz., \$1.00; oz., \$1.75.

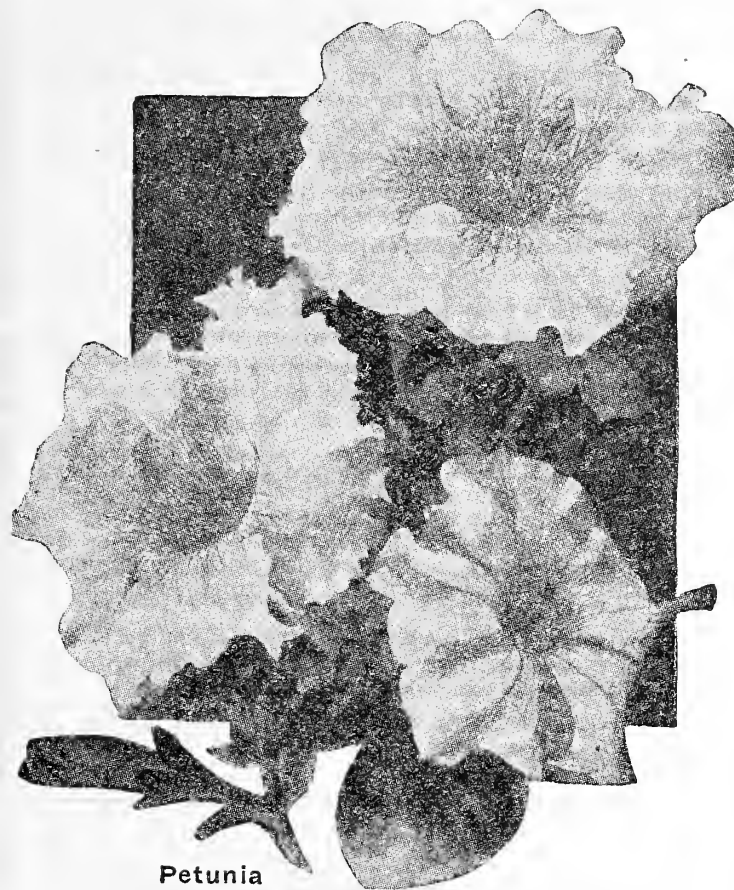


Mastodon

MASTODON—Mixed—These have been carefully re-selected and bred up to their present surpassing excellence, and for giant size, substance, form and coloring we have never seen Pansies to compare with them. Named varieties and special strains are grown separately and the seed collected by hand and carefully blended into what we believe to be the finest mixture ever offered. Pkt., 25c; ½ oz., \$2.50; oz., \$4.00.

OREGON GIANT, MIXED—A splendid mixture of various shapes and markings. The blossoms are perfectly round and are blotched at the base. Pkt., 20c; ½ oz., \$2.50; oz., \$4.00.

PETUNIA



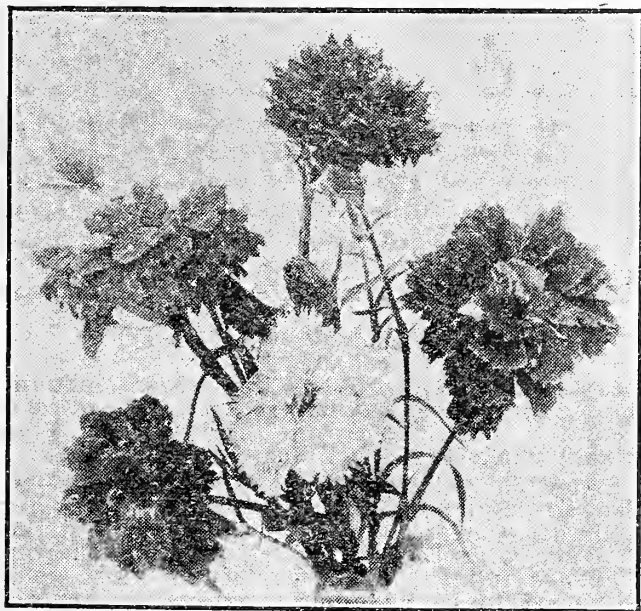
Petunia

PETUNIA (A)—Is without a peer among annuals for effective summer bedding or indoor culture. It is of easy culture, early to bloom and continues throughout the summer until the firsts killing frost. No other flower produces a greater diversity of color, retaining its freshness for so long a period. The doubles may be perpetuated, if desired, by taking cuttings late in the summer, for winter house blooming plants. Provide good soil and a sunny location.

Single Mixed, pkt., 10c; $\frac{1}{2}$ oz., 65c; oz., \$1.00.
Single Fancy Mixed, pkt., 15c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.50.

Double Fringed, Mixed, pkt., 30c.

PINKS



DIANTHUS—The Pinks are old-fashioned favorites and have much variation in color. Both the single and double Pinks are well

adapted for bedding and borders, and are suitable also for cutting as the stems are of good length and the brilliantly colored flowers contrast vividly with the rather narrow bright light green leaves. Seed may be sown in the open ground in spring after danger of frost is past, in the place where the plants are wanted to bloom. Use well pulverized soil; cover the seed with one-fourth inch of fine soil firmly pressed down. Plants compact, bushy, usually about one foot high.

Single or double. Pkt., 10c; $\frac{1}{2}$ oz., 65c; oz., \$1.00.

PLUMARIUS—(Grass Pink) (B)—A beautiful hardy pink. Fringed-edged flowers. Single mixed. Pkt., 10c; $\frac{1}{2}$ oz., 65c; oz., \$1.00.

PHLOX



PHLOX DRUMMONDI (A)—Of all summer-flowering annuals, the varieties of Phlox Drummondii are unquestionably one of the most brilliant and satisfactory. Seed may be sown in the open ground any time after danger from frost is past, and in a few weeks the beds or borders are aglow with their brilliant coloring and remain so until cut down by frost. For early flowering they should be started indoors or in a hotbed. Grandiflora Mixed, pkt., 10c; $\frac{1}{2}$ oz., \$1.00; oz., \$1.50. Perennial Mixed, pkt., 15c; $\frac{1}{2}$ oz., \$1.75; oz., \$3.00.

STAR (A)—This variety is very popular, perhaps because of its bright and cheerful color. The flowers are rich rose with a distinct white star-like center surrounding a narrow ring of deep, rich red. It is a magnificent flower, well rounded, and always very large. The flowers are star-shaped and are borne in big heads throughout summer and fall. Pkt., 10c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.

POPPIES

Probably no class of plants enjoys greater popularity and is more widely grown than the annual poppies; this is especially true of the single varieties. They are easily grown, and should be sown in beds or wild patches, in early spring, where they will grow high above the grasses on tall, graceful stems.

California

CARMINE-KING (A)—Beautiful carmine rose color, both on the interior and exterior of the flower. Very handsome. Single. Pkt., 10c; $\frac{1}{2}$ oz., 45c; oz., 75c.

GOLDEN WEST (A) (Eschscholtzia)—Commonly known as California poppy. This is the best known of this species of poppies and has been a great favorite wherever sown. Color, rich, rare tints of yellow and orange; very beautiful. Single. Pkt., 5c; ½ oz., 25c; oz., 40c.

BRILLIANT MIXED (A)—This is a special mixture and comprises many of the best named varieties and embraces all colors and shades of the Eschscholtzia California type of poppies. Pkt., 10c; ½ oz., 45c; oz., 75c.

Miscellaneous

ICELAND (P)—A graceful, delicate variety, the petals resembling crumpled tissue paper. The plant is low-growing, but the stems are long and slender. Single. Mixed, pkt., 10c; ½ oz., \$1.00; oz., \$1.75.

ORIENTAL (P)—One of the showiest of the perennials, with enormous flowers. The leaf is long and deeply cut and clothed with white, bristly hair. Beautiful among shrubs, roses and other perennials. Single. Mixed, pkt., 10c; ½ oz., \$1.00; oz., \$1.75.

PAEONY FLOWERED (A)—Large, showy flowers, closely resembling a small Paeony. Profuse bloomer. Double mixed. Pkt., 10c; ½ oz., 30c; oz., 50c.



SHIRLEY IMPROVED (A)—The most beautiful type of poppies, having soft, hairy foliage, and a variety of blossoms in white, pink, lavender, purple, red and scarlet. Free blooming and fine for bedding or tall border. Single. Mixed. Pkt., 10c; ½ oz., 30c; oz., 50c.

PORTULACA OR ROSE MOSS (A)—Brilliant, dwarf annuals, only six inches high, luxuriating in warm situations and blooming profusely from early summer to autumn. For low beds and masses of color, from spring until frost, they are indispensable.

Single Mixed, pkt., 10c; ½ oz., 50c; oz., 75c; Double Mixed, pkt., 15c; ½ oz., \$1.50; oz., \$2.50.

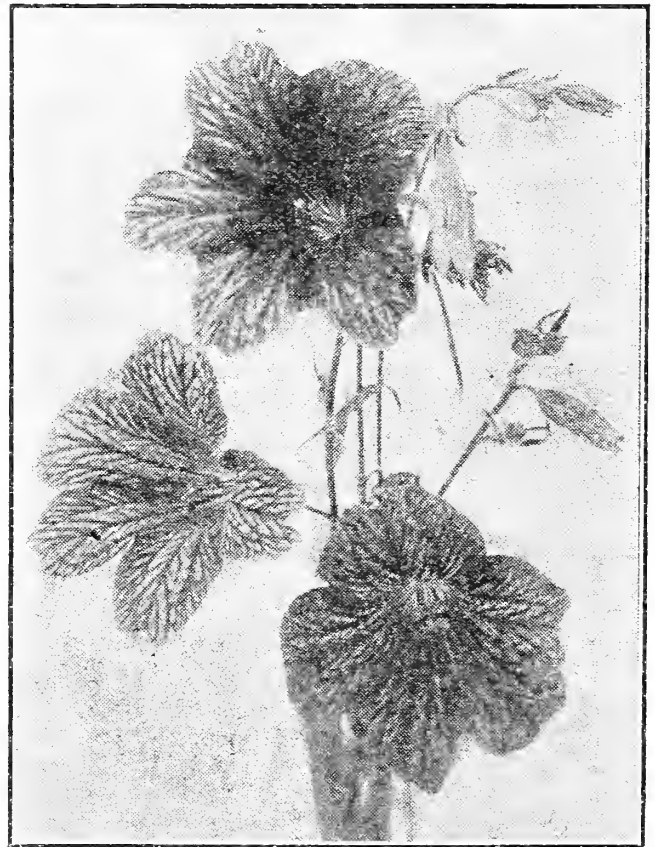
PRIMROSE

PRIMULA VULGARIS (P)—The beautiful wild English Primrose. It grows best in shady places. The seed is very slow in germinating and may stay in the ground a year, but once established, the plants are quite hardy. The oval oblong leaves are all from the root, the plants forming dense tufts. The flowers are salver-shaped, with five lobes of reversed heart shape, clear yellow with touch of orange at base. Six inches in height. Pkt., 20c.

PRIMROSE—SINENSIS OR CHINESE (P)—The beautiful, large fringed flowers stand in pyramids arranged on short flower stems. Blossoms of every shade of color, from pure white to deep crimson, and even deep blue; especially fine for winter and spring flowers in the house; easily grown; free bloomers. The finest single mixed. Pkt., 25c.

PYRETHRUM—A fine hardy plant with large daisy-like flowers. The flowers are excellent for cutting. Blooms during May and June. A free bloomer and flowers most excellent for cutting. Foliage and flowers both very ornamental. Large flowering Double and Semi-Double Mixed. Pkt., 20c.

RICINUS, OR CASTOR OIL BEAN (A)—Ornamental plants of steady growth and picturesque foliage with brilliant colored fruit, producing a sub-tropical effect; fine for lawns, massing or center plants for beds. Finest Mixed, pkt., 5c; oz., 25c.



Salpiglossis (Velvet Flower)

SALPIGLOSSIS (A)—The quaint, funnel-shaped flowers somewhat resemble those of the Petunia; beautiful range for colors. Finest Mixed, pkt., 10c; ½ oz., 65c; oz., \$1.00.

SALVIA (Flowering Sage)—Splendens—Sold also as "Splendens Bonfire" (A). The large, brilliant scarlet flowers are in very striking contrast with the rich, dark green background of dense foliage. This variety is most generally used in parks and on extensive lawns, as it is more vigorous than the dwarf varieties. One of the most distinct and effective bedding plants. Two and one-half to three feet high. Pkt., 15c; ½ oz., \$1.25; oz., \$2.00.

SCABIOSA, OR MOURNING BRIDE (A)—A free-flowering annual; colors, white, carmine, lilac, maroon, etc. Very effective for garden decoration and valuable for cutting. Dwarf or tall double mixed. Pkt., 10c.

SCHIZANTHUS (Butterfly Flower) (A)—Hardy, growing one and one-half to two feet high and covered with bright, showy, butterfly-like blossoms. Large flowering. Mixed pkt., 10c.

SNAPDRAGON, OR ANTIRRHINUM (P)—One of the most useful and showy plants. Of almost every shade and color. They have recently been much improved and are now really magnificent. Hardy perennial. Tall.

Finest Mixed, pkt., 10c; ½ oz., 50c; oz., 75c; White, pkt., 10c; ½ oz., 65c; oz., \$1.00.

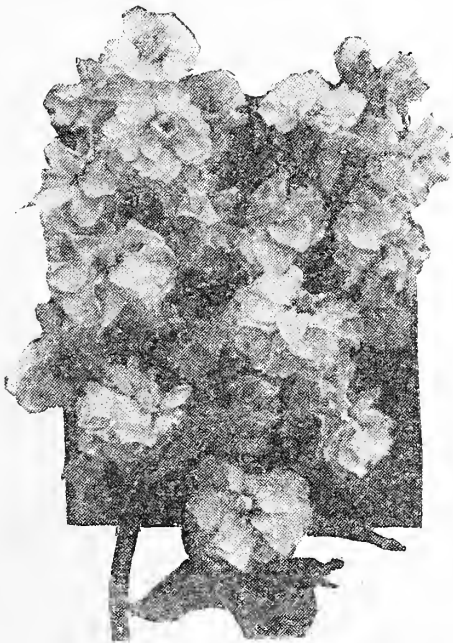
DELICATA—A very fine flowering Pink, tall. Pkt., 10c; ½ oz., 65c; oz., \$1.00.

GARNET—A deep velvety red. very handsome, tall. Pkt., 10c; ½ oz., 65c; oz., \$1.00.

STOCKS

STOCKS—Sometimes called Gilliflower. Considered almost indispensable where a fine display of flowers is wanted and particularly valued for edgings, bedding and pot culture. They produce dense spikes of very fragrant and beautiful rosette-like double flowers. Are suitable for cutting, being produced on stems of good length.

The Stock is one of the most popular annuals; for brilliance and diversity of color, fragrance, profusion and duration of bloom.



MAMMOTH EARLY BRANCHING NICE (A)—This variety is now recognized as the most valuable of all stocks for cutting purposes and the most popular for general use. They come into flower almost as early as the Dwarf Ten Week varieties and the flowers are much larger. Because of their branching habit they produce a great many blooms, hence has become very popular not only with the florists but also for the home flower bed. For fragrance, brilliancy, diversity of color, profusion and duration of bloom they are unsurpassed. Mixed. Pkt., 10c; ½ oz., \$1.25; oz., \$2.00..

White, dark blue. Pkt., 10c; ½ oz., \$1.25; oz., \$2.00.

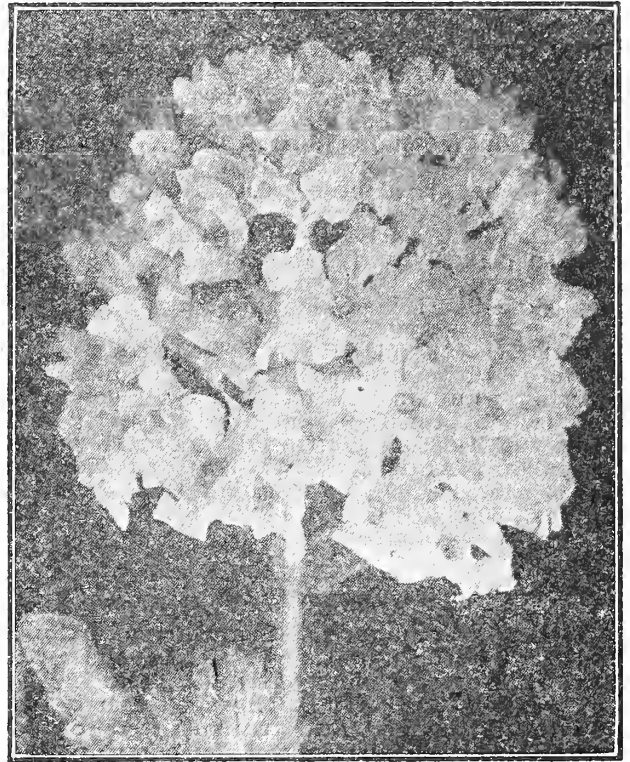
DRESDEN PERPETUAL OR BRANCHING (P)—These ever-blooming stocks are popularly called "Cut and Come Again." Sown in March they flower profusely from July until frost; their best period being late autumn. Very fragrant. Mixed, pkt., 10c; ½ oz., \$1.50; oz., \$2.50.

SUNFLOWER (Helianthus) (Double Crysanthemum Flowering) (A)—This pretty sunflower grows to be 3 to 5 feet high and has late in summer bright golden yellow flowers on stiff stem, fine for cutting. This is a pretty and refined flower, four inches across. Pkt., 5c; ½ oz., 30c; oz., 50c.

SWEET ROCKET (Hesperis) (P)—Old-fashioned garden plant and among the most desirable of hardy flowers, also known as Dame's Rocket and Dame's Violet; grows from two to three feet high and bears spikes of showy white, lilac and purple fragrant flowers. Excellent for naturalizing among shrubbery or for planting in a permanent border; mixed colors. Pkt., 5c.

SWEET WILLIAM (P)—A well-known, attractive free flowering, hardy perennial, producing a splendid effect in beds and borders with rich and varied flowers. Mixed, Double pkt., 10c. Mixed Single, pkt., 10c.

THUNBERGIA (Black-Eyed Susan) (A)—One of the best trailing plants for veranda boxes, vases, etc. Neat, compact growth. The pretty flowers, an inch in diameter, are white, buff or yellow, with black eye. Finest, Mixed, pkt., 10c.



Verbena

VERBENA (A)—Very few annuals will make such a gorgeous display during the summer months or furnish more flowers for cutting than the Verbena. Start seed in the house or under glass early in the spring and transplant after three or four inches of growth. They flower in July and continue strong and healthy until destroyed by frost. Mammoth Extra Choice, Mixed, pkt., 10c; ½ oz., 65c; oz., \$1.00.

YELLOW (Lute)—This is an appealing bright lemon-yellow variety. The flower-heads are large and solid, composed of large individual blooms. It is a free blooming and sturdy variety, which will make an attractive bed or border. Pkt., 15c; ½ oz., \$1.00; oz., \$1.50.

VINCA (Periwinkle) (P)—These very attractive bushy plants with glossy green foliage produce in abundance handsome round or salver shaped single flowers, suitable either for culture in pots or boxes or for summer bedding and borders. If sown early under glass and transplanted in a warm, sheltered situation will bloom in summer and autumn and may be potted for the house before frost. Are in con-

tinuous bloom from setting out until frost and are entirely free from the attacks of insects. Tender perennial, blooming the first season; about 15 inches high. Mixed, pkt., 10c.



Violets

VIOLETS (P)—Violet *Odorata* is the well-known English violet, a free-flowering, hardy perennial. Easily grown from seed, though somewhat slow in germinating; succeeds best in partially shaded moist places. Very early bloomer. Sweet scented, very pretty and very popular and a beautiful blue. Pkt., 10c.

WALL FLOWER (P)—Produces spikes of beautiful, exceedingly fragrant flowers. Half-hardy perennial. Mixed, Single, large flowering. Pkt., 5c; Mixed, Double., pkt., 20c.

GARDEN MIXTURE (A)—A garden is not complete without a bed of this mixture of flowering annuals. A package will sow a bed about two by ten feet, and if sown early in the spring will furnish continual bloom throughout the season. Annual. Pkt., 10c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00. Perennial. Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb., 80c; ½ lb., \$1.50; 1 lb., \$2.50.

ZINNIAS

ZINNIAS (Elegans Grandiflora Double) (Youth and Old Age). (A) — Is one of the most brilliant and showy annuals, and has long been a general favorite. The seed can be sown early in the hotbed and transplanted, or sown later in the open ground. They come in flower early in the summer and keep on blooming until first frost. Mixed, pkt., 10c; ½ oz., 65c; oz., \$1.00.

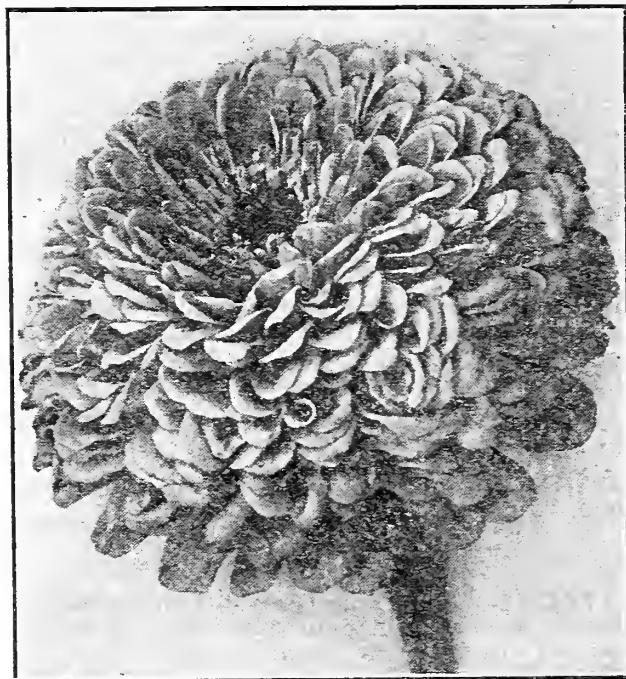
CRIMSON MONARCH—By far the largest and best of the red shades. Flowers often eight inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit.

GOLDEN STATE—An excellent color. Rich golden yellow, shading to orange as the flower ages. Blooms are large, of true Dahlia form, borne on long stems.

ILLUMINATION—This is one of the most pleasing of this new collection of Giant Dahlia Flowered Zinnias as regards form and size. A striking self color of deep rose.

POLAR BEAR—A very large pure white; the very best white yet introduced in the form of Zinnias. Fine Dahlia form, large and handsome.

PURPLE PRINCE—A fine deep purple, large and well formed. Very beautiful.
The foregoing five Giant Dahlia Flowered Zinnias. Pkt., 25c; ½ oz., \$2.50; oz., \$4.50.



Giant Dahlia Flowered

SPECIAL ZINNIAS (Giant Dahlia Flowered) (A)—Zinnias has been very greatly improved in recent years and we are now offering what is known as Giant Dahlia Flowered Zinnias. These are specially fine and is such an improvement over the old type that there is not any comparison.

SPECIAL MIXTURE—This special mixture contains the very best of this type of Zinnias. Is well blended and certainly will give splendid results. Pkt., 15c; ½ oz., \$1.50; oz., \$2.50.

SWEET PEAS

No garden is too small for a row of Sweet Peas, and no estate, however extensive or magnificent, should fail to include many varieties of this most popular flower.

CULTURE—Early in spring make a trench three to four inches deep in rich, mellow soil. Plant the seed in the bottom, covering at first one inch deep. In soils at all heavy, or composed largely of clay, put about one inch of sand in the bottom of the trench and sow the seed in this, covering with more sand. When the plants are two inches high, cultivate and as they grow gradually fill up the trench. When the plants are about five inches high it is desirable to furnish some support for the vines to run upon. Water applied thoroughly once or twice a week, preferably early in the morning or in the evening, is usually better than light sprinkling more frequently. The blooms should be picked before they form pods or the plants will soon stop flowering.

STANDARD SPENCERS

All the following 22 varieties of choice Spencer Sweet Peas: Pkt., 10c; any 6 pkts., 50c; any 12 90c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; ½ lb., \$1.50; 1 lb., \$2.50.

Blue MRS. TOM JONES—Bright delphinium-blue. The flowers are very large and of great substance; beautifully waved, and invariably come four on a stem of great length. A first-class rich blue has long been wanted and now we have it in this charming and beautiful novelty.

WEDGWOOD—Bright, silvery blue. Large, well waved flowers on long stems. An attractive and very desirable shade.



Cream DOBBIE'S CREAM—A strong growing, cream or primrose. A profuse blooming variety, with large, much waved flowers, often duplexed.

Crimson KING EDWARD—Deep rich crimson; a strong and beautiful color. Does not fade or scorch.

MRS. HUGH DICKINSON—One of the most chaste and charming varieties yet obtained. The coloring is a rich pinkish apricot on a cream ground, shading off rather lighter toward the center of the flower. The gigantic flowers are uniformly of the best Spencer type, and practically always borne in fours upon exceedingly long stems—and sometimes five flowers to a stem.

Lavender FLORENCE NIGHTINGALE—A soft, clear, rich lavender, enlivened by a faint sheen of rose-pink.

HAWLMARK—There is nothing quite so pure in lavender as this splendid novelty. The color is difficult to describe accurately, as it is more pure in tone than what may be

called the French gray-lavenders, being more a sky-gray. It is, however, a true clear light lavender. The flowers are of the largest size; easily the best of its class.

Maroon WARRIOR—The color is a rich reddish maroon flushed with bronze. Lovers of dark shades will appreciate this fine color. A strong grower and free bloomer.

Orange TANGERINE—This is the last word in orange colored Sweet Peas. Deep orange, almost approaching the color of a tangerine-orange. Flowers of great size, beautifully waved and well placed on the long stout stems.

THOMAS STEVENSON, IMP.—Intense flaming orange-scarlet standard with wings of rosy carmine shaded orange. A magnificent variety.

Pink CARESS—This is a particularly dainty and attractive variety—one of the most pleasing Sweet Peas we know. The immense well-formed flowers are beautifully frilled and usually produced in fours on long stems. The color is a beautiful shade of soft, rich shell-pink, deeply toned and suffused cream-buff.

HAWLMARK—This most beautiful Sweet Pea is unsurpassed for either exhibition or general cutting purposes. The color is a most beautiful shade of rich rose-pink, deeply flushed and shaded with salmon. The wings are bright rose-pink, whereas the standard is somewhat lighter in color and slightly toned down with salmon. Large, well-waved blooms, usually borne in fours.

MARGARET ATLEE IMPROVED—A rich glowing pink on cream ground, softly suffused with salmon in the standard and pinkish rose or salmon wings. The flowers are large, beautifully frilled or waved and many of them double.

Purple ROYAL PURPLE—The color is a rich, royal purple, the younger flowers having a slightly softer color tone. Best purple yet introduced.

Rose DECORATOR — Rich rose overlaid with terracotta, intensifying to deep bright orange at the base of the wings.

GEORGE HERBERT—The flowers are a most magnificent rich, rosy carmine. The blooms are large, well waved, and carried three or four on a strong stem.

SPARKLER—A great flower for cutting and exhibition; of largest size. The color is a charming combination of rose and cream, the standard being bright rose and the wings are a lively shade of creamy primrose lightly suffused soft rose. A most vigorous grower; the beautifully waved flowers are borne four on a stem in the greatest profusion.

Salmon BARBARA—A superb salmon-colored self that makes a telling bunch either for exhibition or table decoration. Requires shading against strong sun.

Scarlet ROYAL SCOT—Royal Scot is an outstanding variety with immense flowers of heavy texture and beautiful formation. The blooms are not only very large, but they are also gracefully waved and fluted. The color of Royal Scot is most appealing and of remarkable brilliancy and depth. It is a wonderful shade. Usually four large blooms are borne, artistically arranged on a long and strong stem. The vines are heavy and bloom profusely.

VERMILLION BRILLIANT—The standard and wings are of intense pure scarlet. The bold flowers are of largest size and are almost sun-proof.

White CONSTANCE HINTON — A black seeded white Spencer of large size and splendid form and substance. Flowers open blush but change to pure white.

KING WHITE—Remarkable for the glistening purity of the whiteness and the perfect finish of the flower. Of truly gigantic proportions. Four flowers on a stem.

All of the foregoing 22 varieties of choice Spencer Sweet Peas. Pkt., 10c; 6 pkts., 50c; any 12, 90c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; ½ lb., \$1.50; 1 lb., \$2.50.

SELECTED SPENCERS

All of the following 9 varieties of Selected Spencer Sweet Peas. Pkt., 2 for 25c; 6, 60c; 12, \$1.10; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.50.

Blue **BLUESTONE**—The flowers of Blue stone are really immense in size and of excellent form. The standard is a beautiful shade of aniline-blue, shaded bluish violet. The wings are a clear aniline-blue color. The flowers are invariably borne in fours on fine heavy stems. They come perfectly true and are of great value either for exhibition or cutting. The large blooms are well placed on long stems and are most beautifully waved or crimped. It is a strong grower and profuse bloomer.

Lavender **LAVENDER KING**. A first-class lavender. This glorious variety is a rich true deep lavender throughout. The flowers are of large size, beautifully waved form, and borne in threes and fours on stems of great length. The vines make a vigorous growth and bear an abundance of flowers.

Lilac **BURPEE'S LILAC-PINK**—A new shade, representing a charming combination of salmon, amber, and pale lilac on cream ground. The standard is suffused with salmon-pink. A strong grower with large flowers produced freely in fours.

Pink **HAWLMARK SALMON-PINK**—Here is a variety which has quickly become extremely popular, and this is not to be wondered at because Hawlmarm Salmon-Pink is an immense flower of great beauty. The blooms are a rich deep pink with a salmon and orange tint in the standard. It is a sturdy grower and blooms very freely. The handsome flowers are artistically arranged in fours on long and strong stems. It is truly a grand variety.

Purple **ROYAL PURPLE**—The rich royal purple color of this beautiful variety always attracts great attention. One of the most distinct and the acknowledged best purple so far grown.

Rose **SUNSET** is a truly magnificent variety with flowers of immense size and exquisite form. The blooms are borne freely on fine four-flowered sprays. The color is a beautiful shade of soft rich rose, being lightened by a golden yellow sheen near the base. The long strong stems bear usually four immense flowers each.

Salmon **ROYAL CHERRY**—The color is a bright salmon-cerise which becomes deeper as it reaches the edge of the standard, where it assumes a clearly defined deep rose. Of strong constitution.

Scarlet **SCARLET DUPLEX**—Glorious duplex flowers of giant size, heavy substance, and graceful form. The color of the flowers is most remarkable, being an intense and bright pure scarlet, which does not fade or burn even in the brightest sun. The blooms are borne freely on long stems. Awarded a Certificate of Merit by The American Sweet Pea Society at Boston, July, 1910.

White **Giant White** is well and truly named. It is gigantic in size, exquisite in form and pure in color. It is almost impossible to imagine anything more exquisite than this new variety. Giant White is a seedling raised by Mr. A. G. Stark, of Great Ryburgh, Norfolk,

England. The grower reports that this pea has been thoroughly tested and it well deserves the description given. Awarded certificate of merit by both The American Sweet Pea Society and the Pennsylvania Horticultural Society.

All of the foregoing 9 varieties of Selected Spencer Sweet Peas: Pkts., 2 for 25c; 6, 60c; 12, \$1.10; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; ½ lb., \$2.00; 1 lb., \$3.50.

SPECIAL SELECTION

The following 5 varieties of specially selected Spencer Sweet Peas: Pkt., 15c; 6 packages, 75c; oz., 70c; 2 oz., \$1.25; ¼ lb., \$2.00.

KING TUT—King Tut is a charming pastel shade of light rose-pink. One of its most outstanding features is the remarkably good form of the flowers. The texture of the petals is thick and substantial, yet the flowers are gracefully waved and fluted. The wings are a slightly lighter rose-pink than the standard. King Tut was awarded a Certificate of Merit at The International Flower Show, New York, 1923.

MISS SPOKANE—It was by special request of the Florists' Club of Spokane, Washington, and others, that we gave the name "Miss Spokane" to this bright and outstanding Burpee variety. The standard is peach-red and the wings bright scarlet blending into a bunch effect of rich orange-scarlet. Miss Spokane combines immense size with exquisite form. Awarded two Certificates of Merit.

QUAKER LADY—A light Lobelia-violet with flowers of remarkable size and exquisite form. The bunch effect is a clear rich lavender. The younger flowers show a faint tinge of rose in the standard, but when fully open this cast disappears altogether. Quaker Lady is a free flowering variety, blooming profusely with four flowers on long and heavy stems. Awarded a Certificate of Merit at The International Flower Show, Indianapolis, 1922.

RADIANCE—The color is a pleasing and appealing shade of La France pink, which deepens in the center and toward the edges of the standard to eosene-pink. There is a delightful suffusion of salmon throughout both the standard and wings. A ray of rose-salmon down the center of the standard gives particularly bright effect. Radiance is of charming form, immense size, with four blooms carried on a fine long stem. It is remarkably free flowering and produces long-stemmed sprays.

SAPPHIRE—Sapphire is a bright Delphinium-blue, a color which is by far the best in this shade. The flowers are very large. They are of artistic form, borne usually in fours on very long stiff stems. It is a most vigorous grower and extremely free flowering. It is an excellent garden variety, because of its fine sturdy growth, and is unsurpassed for exhibition and vases because of its magnificent size, striking color, and long stems.

The foregoing 5 varieties of specially selected Spencer Sweet Peas: Pkt., 15c; 6 packages, 75c; 1 oz., 70c; 2 oz., \$1.25; ¼ lb., \$2.00.

MIXED SPENCERS

If one is growing a quantity of Sweet Peas, straight varieties are certainly beautiful, but when a short row is grown we recommend sowing mixed seed. For this reason we are always very careful regarding our mixtures. In fact, they are just looked after in the same painstaking manner that our named varieties are.

OUR CLOVER MIXTURE is highly dependable, and with proper care should give very satisfactory results. Pkt., 10c; large package, 25c; oz., 25c; 2 oz., 40c; ¼ lb., 70c; ½ lb., \$1.10; 1 lb., \$2.00.

MIXED GRANDIFLORAS

OUR CLOVER LEAF MIXTURE is blended in the proper proportions and good seed only is used. Therefore, it is highly dependable, and with proper care should give very satisfactory results. Pkt., 5c; large package, 15c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; ½ lb., 85c; 1 lb., \$1.50.

PERENNIAL SWEET PEAS

Easily grown, hardy with smaller flowers and lacking the fragrance of Sweet Peas, but producing for many weeks a succession of blossoms in clusters of eight to ten each. Only a few flowers can be expected the second season but in the third and fourth, the plants then being well established, an abundance of foliage and blooms is afforded. The plants die down late in the fall and start again in the spring.

Sow the seed out doors early in spring, using well prepared soil and covering the seed about one inch deep with fine soil firmly pressed down. Mixed, pkt., 10c; ½ oz., 45c; oz., 75c.

VINES FROM SEEDS

Balloon Vine (Love-in-a-Puff) (A) — A rapid growing annual climber; succeeds best in light soil and warm situation; flowers white. seed vessels like miniature balloons. Pkt., 5c; ½ oz., 25c; oz., 40c.

Balsam Pear (A)—A rapid grower, attaining 10 feet in height. Has graceful and ornamental foliage, yellow flowers and warted, golden yellow fruit. Pkt., 10c; ½ oz., 30c; oz., 50c.

Beans Scarlet Runners (A)—A great favorite not only as an ornamental climber but for the delicious edible beans which succeed the bright scarlet spars of pea-shaped blossoms. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; lb., 50c.

Bean Hyacinth (Australian Pea Vine) (Dolichos) (A) — This really beautiful climbing plant is of quick growth; foliage is handsome and the clustered spikes of beautiful purple and white flowers are borne in great profusion. The shining purple seed-pods are also very ornamental. Tender annual, growing six to eight feet. Seed should be sown where plants are desired, in as warm and dry a spot as possible. Mixed, pkt., 5c; ½ oz., 20c; oz., 30c.

Boston or Japanese Ivy (Ampelopsis Veitchii) (P) A rapid creeper with lovely green foliage which turns red in fall. Excellent for covering walls, outhouses, etc. Height, 50 ft. Pkt., 10c; ½ oz., 30c; oz., 50c.

Canary Bird Vine (P) — A beautiful climber; flowers a bright golden yellow, bearing a fanciful resemblance to birds with expanded wings. Pkt., 10c; ½ oz., 30c; oz., 50c.

Cardinal Climber (A) This is a great favorite amongst climbers and attains a height of 15 feet. The leaves resemble those of a fine Japanese maple and completely cover the vines. The bright scarlet flowers are not large but grow in such profusion as to completely cover the vines. Pkt., 15c; ½ oz., \$1.00; oz., \$1.50.

Climbers (A)—This assortment of Climbers consists of from ten to fifteen varieties and will be found to be intensely interesting and beautiful. Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb., 90c.

Cypress Vine or Ipomoba Quamoclit (A)—A climber of rapid growth, having handsome fern-like foliage and a profusion of bright, attractive flowers. Mixed, pkt., 10c; ½ oz., 25c; oz., 40c.

Coboea Scandens (A) — One of the handsomest and most rapid growing of the annual climbers. It climbs 30 feet in a season. The flowers are bell-shaped. Very prolific and perfectly hardy. The vine is always clean of insects. Mixed, pkt., 10c. ½ oz., 50c; oz., 75c.

Gourd (Cucurbita) (A)—A very extensive genus of trailing annuals with curiously shaped yellow fruit, commonly known as Ornamental Gourds. The vines are of easy culture and make a rapid growth, so are much used for covering old fences, trellises, stumps, etc. The foliage is ornamental, and the markings of some of the fruit extraordinary. Do not plant the seed till danger of frost is over, and select light, rich soil and a sunny situation. Water freely. Ten to twenty feet high. Mixed, pkt., 5c; ½ oz., 20c; oz., 35c.

Japanese Kudzu Vine (A)—The Kudzu vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth and its handsome flowers. The blossoms are large and in panicles somewhat like the Wistaria, but larger in size and with better clusters. The color is a pleasing shade of purple. The foliage is luxuriant. The vine is extremely rapid and dense in growth, perfectly hardy; fine for arbors, verandas, etc. Pkt., 10c; ½ oz., 50c; oz., 75c.

Japanese Hop (Humulus) (A) — Variegated Japanese Hop. A charming climber, attaining a growth of 20 to 25 feet in a few weeks. The leaves (6 to 7 inches across) are beautifully marked and variegated with white yellowish green and dark green. Not injured by insects or by heat, and the vein retains its beauty until frost. Pkt., 10c; ½ oz., 30c; oz., 50c.

Moon Flower or Ipomoba, Mexicana Grandiflora (A)—Rapid growing climber, belonging to the Morning Glory family. The flowers are large, waxy white and very showy. Pkt., 10c; ½ oz., 40c; oz., 75c.

MORNING GLORIES

A handsome showy climber of easy culture and suitable for covering arbors, windows, trellises, old stumps, etc., if support be given the vines. Hardy. Seed is usually sown outdoors early in spring in row where plants are to remain. Well pulverized soil should be used and the seed covered one-half inch deep; thin four to six inches apart. If very early blooming is desired, seed may be started indoors and transplanted. Give some support such as strings or cord to the vines as soon as they begin to run and they will often exceed ten feet in height before the season is over.

MORNING GLORY (A) (Convolvulus Major Ipomoea Purpurea)—Tall, fine mixed, a great variety of colors of the popular old-fashioned sorts. Pkt., 5c; ½ oz., 15c; oz., 20c; 2 oz., 30c; ¼ lb., 50c.

GIANT JAPANESE (Imperials) (A)—The flowers of this variety are of largest size, often three inches or more across; some are brilliant red or rich blue, others are equally brilliant, with broad margins of clear white; some are striped or dotted with blue or red on white or lemon yellow ground, others are clouded with blue and red. The foliage in some plants comes plain green, in others it is mottled with white and shades of yellow or yellowish green. Seed black, larger than other varieties of Morning Glory. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 oz., 40c; ¼ lb., 70c.

SMILAX (P)—Charming tender, perennial climber for greenhouse or window gardens. The foliage and stems are of a pleasing light green; very graceful; excellent for decoration. Pkt., 10c.

VINES FROM ROOTS

CINNAMON VINE—This climber is appropriately called Cinnamon Vine. Very hardy, the stem dying down every autumn, but growing again so rapidly as to cover completely any trellis or arbor early in the season. With its beautiful heart-shaped leaves and clusters of delicate white flowers, and most delicious cinnamon odor, is most desirable climber. Each, 15c; 2 for 30c; 1/2 doz., 75c. Postpaid, doz., \$1.25.

HOPS—Are the most rapid growers of any vine coming from the roots each spring. Their rapid growth and large broad leaves cover a porch before the arrival of the hot days of the summer. Postpaid, each 10c; 1/2 doz., 50c; doz., 75c; 50, \$3.00; 100, \$5.00.

Bulbs

SUMMER FLOWERING

There is nothing in floriculture that will give greater satisfaction or produce such grand results as this class of bulbs, which includes some of our showiest garden flowers. They are of the easiest culture. Planted in spring in good garden soil, they flower with great certainty during summer and fall. The hardy sorts may remain in the ground over winter, but tender sorts should be taken up after the foliage dries in the fall and the bulbs stored away in a cool place until planting time in the spring.

CANNAS

Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure by the end of May, when danger from frost is past. Water sparingly for first two weeks after planting. When growing freely water liberally. They are quick growers and bloom continuously until frost. Inexpensive, these charming ornamental plants produce rich tropical effects that cannot be excelled, and they are equally valuable for the beauty of their bloom. In straight or assorted lots.

All 20c Cannas—1/2 doz., \$1.10; doz., \$2.00.
All 25c Cannas—1/2 doz., \$1.35; doz., \$2.50.
All 30c Cannas—1/2 doz., \$1.65; doz., \$3.00.
All 35c Cannas—1/2 doz., \$2.00; doz., \$3.50.

Orange Flowers, Green Foliage

ORANGE BEDDER—Particularly attractive bright orange, with just enough scarlet suffusion to intensify the whole to a dazzling mass. Undoubtedly the best orange in existence. Each 20c.

PANAMA—The color and markings of this splendid Canna are unusual; the rich orange-red face of the petals is bordered with a broad edge of golden-yellow, the florets are large and produces very freely. Height, 3 feet. Each, 20c.

Pink Flowers, Green Foliage

MARTHA WASHINGTON—One of the most superb pink varieties. Flowers are large and frequently have five petals. Each 30c.

ROSEMAWR—Rosy pink with throat of gold. Very beautiful and attractive. Each, 30c.

Red Flowers, Green Foliage

FANAL—Flowers intense brilliant fiery-red, broad petals. Foliage green, bordered brown. A strong and vigorous grower. Free early blooming. Height 3 feet. Each, 25c.

DRAGON—A remarkably rich color, best described as deep ox-blood. Robust and free blooming. Height, 3 feet. Each, 35c.

Spotted Flowers, Green Foliage

COUNSELL W. VELLNAGLE—Light lemon-yellow, light brown blotched and striped; large flower, bluish-green foliage. Height, 4 feet. Each 20c.

UHLBERG—The flowers are soft rosy carmine with creamy yellow throats and crimped edges of pale yellow. Height 3 feet. Each 30c.

White Flowers, Green Foliage.

EUREKA is recognized as the best white Canna for all purposes. The flowers are large and bold. The individual petals are heavy and substantial. The showy trusses are produced freely and continuously from midseason until fall. They are carried upright on strong and heavy stems. The foliage is a bright and attractive rich green, giving a splendid background to the white flowers. The stocky plants grow 4 1/2 feet tall. Each, 25c.

MAROS—Very free flowering, creamy white; one of the best. Each, 30c.

Yellow Flowers, Green Foliage

GOETHE—Most conspicuous and attractive. It grows about 4 1/2 feet high. It has bright green foliage surrounded by graceful trusses of bronze orange yellow flowers. Each, 20c.

YELLOW KING HUMBERT—A marvelous variety, bearing large trusses of beautiful flowers in the greatest profusion from early until late. Blooms freely and continuously. Flowers deep, rich yellow spotted with bright red. Each, 35c.

Red Flowers, Bronze Foliage

KING HUMBERT—In this grand new Italian Canna we have a combination of the highest type of flower with the finest bronze foliage. Its flowers, which under ordinary cultivation will measure six inches in diameter, and which are of a brilliant orange, scarlet, with bright are produced in heavy trusses of gigantic size, red markings, while the foliage is broad and massive and of a rich coppery bronze with brownish-green markings. Bold and effective. Makes a gorgeous effect when planted in mass. Height, 5 feet. Each, 35c.

BRANDYWINE—Luxuriant dark bronze foliage crowned by heavy trusses of rich red flowers. Each bloom is beautifully dappled with deep crimson, and the lower petals are sometimes edged with bright gold. Height 4 feet. Each, 25c.

Scarlet Flowers, Bronze Foliage

SUPERB—Clean bright orange scarlet with bronze foliage. Five feet. Each, 25c.

WINTZER'S COLOSSAL—Five feet. Without doubt the largest-flowered Canna to date, as the average flowers more than cover a man's hat. The color is a strikingly vivid scarlet that retains its brilliancy. Each, 25c.

FOUR SPECIAL CANNAS

Very Beautifully Marked

HUNGARIA—The blooms are of enormous size and substantial texture. The habit of the plant is robust with heavy stems, each one being crowned with a heavy truss of these wonderful flowers. The blooms are not only very large but they are borne freely from mid-season until frost. The color is a magnificent rose-pink. By its brightness it catches the eye and demands attention. The plants grow 3 to 3 1/2 feet tall.

MORNING GLOW—Foliage an olive green, striped and veined with brown. Flowers soft shell pink and orange red center.

REMARKABLE—A distinct and effective scarlet carmine flowers. Beautiful foliage.

WAWA—A new shade of soft pink. An immense bloomer continuing to bear large trusses of lily-like flowers.

These four Special Cannas 40c each, or any four, \$1.25.

All 20c Cannas, $\frac{1}{2}$ doz., \$1.10; doz., \$2.00.
All 25c Cannas, $\frac{1}{2}$ doz., \$1.35; doz., \$2.50.
All 30c Cannas, $\frac{1}{2}$ doz., \$1.65; doz., \$3.00.
All 35c Cannas, $\frac{1}{2}$ doz., \$2.00; doz., \$3.50.

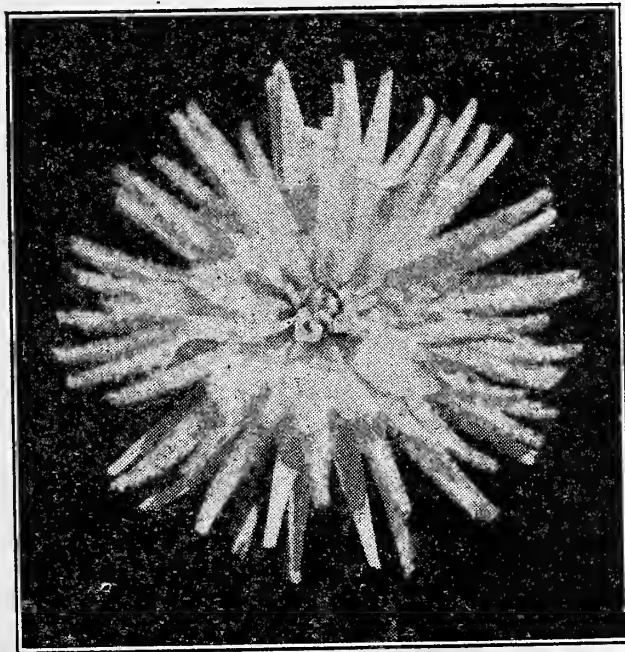
DAHLIAS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. They have been greatly improved and are growing in favor from year to year. The following selections have been made with the greatest care, and every one will be found to possess true merit, and with proper care and conditions will amply repay the care and attention that has been given them.

Special prices on all Dahlias, your assortment, postpaid.

All 30c Dahlias, $\frac{1}{2}$ doz., \$1.75; doz., \$3.25.
All 35c Dahlias, $\frac{1}{2}$ doz., \$2.00; doz., \$3.75.
All 40c Dahlias, $\frac{1}{2}$ doz., \$2.25; doz., \$4.25.
All 50c Dahlias, $\frac{1}{2}$ doz., \$2.75; doz., \$5.25.
All 60c Dahlias, $\frac{1}{2}$ doz., \$3.50; doz., \$6.50.
All 75c Dahlias, $\frac{1}{2}$ doz., \$4.25; doz., \$8.00.

CACTUS



This type is particularly valued on account of the fact that the flowers will keep in good condition longer after cutting than those of any other type.

One each of these twelve varieties of fine Cactus Dahlias, \$6.00 postpaid. If bought singly price would be \$6.70.

Amber PIERROT. A unique and striking color, and of unusual grace, being composed of very long, narrow tubular petals, which are of a deep amber color, usually showing white tips, but even when it comes a self color without these tips it possesses an individual refinement different from all other sorts. A wonderful exhibition flower and a splendid garden variety. Each, 60c.

Crimson H. H. THOMAS—Deep crimson, bright and attractive, good bloomer with long stems. Each, 50c.

Orange NEWCOMER—A blending of orange and salmon; very showy and beautiful. Each 35c.

Pink CRYSTAL—A great exhibition flower of large size and splendid form; long twisted incurved tubular petals of a tender silvery pink, which passes gradually toward the center to a soft ivory-white. Each, 50c.

Purple MARATHON—A brilliant rich purple illuminated with bright shadings. Each, 50c.

Red F. W. FELLOWS—One of the very best Cactus varieties ever raised, with flowers of unusual size for the long narrow-petaled type of which this is one of the finest representatives. In color it is an intense coral-red with deeper suffusion at the centre; no collection of Dahlias is complete without it. Each, 50c.

GUARDIAN—One of the few perfectly formed narrow petaled English Cactus type that is free flowering under all climatic conditions. A luminous attractive brilliant currant red with large flowers, well supported on stiff wiry stems. Each, 60c.

Rose ETENDARD DE LYON—Everyone admires this beautiful rich carmine-rose or royal purple. The flowers are distinct in shape from all others, with broad, curling, wavy petals which form a flower six inches in diameter and four inches deep, a large flower, yet without any stiffness or formality. Each, 40c.

MARGUERITE BOUCHON—One of the most beautiful Cactus Dahlias yet introduced; it is perfect in form, of good size, in color a charming shade of brilliant yet soft rose, with a large white centre and distinctly defined white tips. Each, 75c.

Scarlet KALIF—A truly majestic flower, of perfect Cactus form, in color a pure scarlet. The habit of the plant is all that can be desired; the gigantic flowers, produced very freely, are held on strong stiff stems, making it a most effective and useful variety for cutting as well as for garden decoration. Each, 75c.

Yellow BREAK O'DAY—A good-sized flower with a full, high center with more or less curved and twisted petals, intermingled with the flatter ones, forming a most attractive, graceful flower. In color, a clear sulphur-yellow, shading to sulphur-white at the tips, early and free-flowering. Each, 75c.

GEORGE SHOFIELD—Yellow and apricot. Handsome and attractive. Each, 50c.

One each of these twelve Cactus Dahlias, \$6.00. If bought separately price would be \$6.70.

COLLARETTE

COLLARETTE—The Collarette Dahlias differ from all other types by having a distinct and attractive collar which appears in the form of irregularly arranged petals of a distinct color between center and the outer petals. Collarette Dahlias have become immensely popular within recent years and this is not to be wondered at when we consider their striking beauty and their usefulness for all kinds of decoration.

Ami Nonin Dark crimson-carmine, collar white suffused rose. very large.

Balmoral Deep aniline-red shaded purple, with long narrow white collar petals.

Dainty Soft rose, deepening to carmine center, lemon-yellow collar.

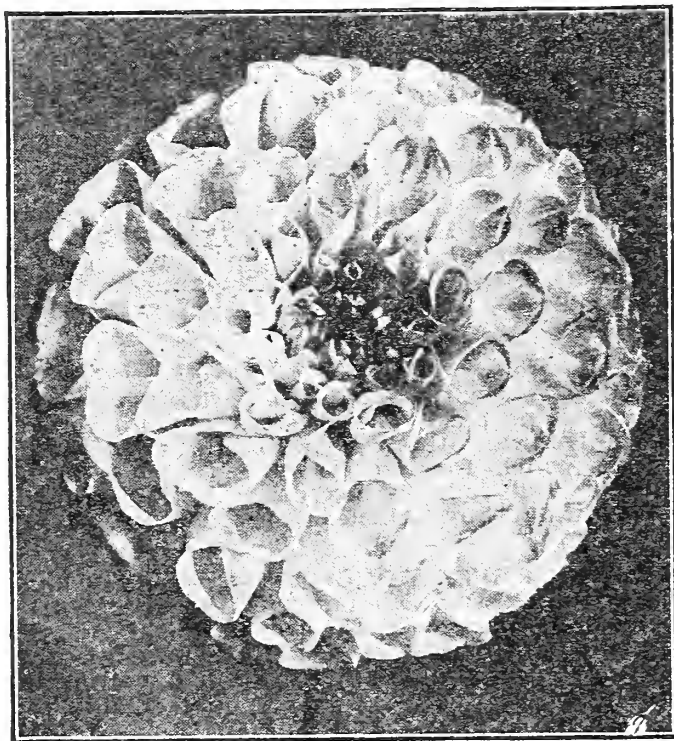
Maurice Rivoire Ox-blood red and white fringed collar.

Mme. Gyax Bright cochineal-red, prim-rose yellow collar.

Rosette Giant size, velvety cerise suffused white, white collar.

Any of the above choice varieties 35c each.
A collection of one each of the 6 varieties.
\$1.85, postpaid.

DECORATIVE



Decorative Dahlia

The Decorative Dahlias are an intermediate form between the Show and Cactus types. Many beautiful varieties have been introduced, some with flat petals, others reflexed, incurved or curiously twisted; but nearly all are without formality or stiffness, and practically all of them are leaders as cut flowers, bearing their large perfectly formed blooms on long, stiff stems, and standing in good condition longer than most kinds; furthermore, they are of easy culture, and seem to adapt themselves to and succeed under the most varied conditions, a combination which assures their continued popularity.

One each of these twelve beautiful decorative Dahlias, \$5.25, postpaid, or \$5.90 worth of Decorative Dahlias for \$5.25

Black MRS. C. J. MILLS—A nearly black decorative with a tinted blotch or bright spot of claret crimson in the center of each petal. A grand bloomer, with a long stem and a large flower. Each, 60c.

Bronze LUCERO—The greatest in stem and floriferousness of any decorative yet grown and is the flower for cutting as it has such long stems and is a grand flower. Its coloring is bronze-buff with a carmine flush and a deeper tinted center and grows better as season advances in size and depth of shading. Each, 35c.

Pink PAUL BONYON—Extra large, fine form, fringed petals, free bloomer, upright, strong stems. Gold and pink. Each, 40c.

SYLVIA. Soft, pleasing, mauve-pink, changing to white in center, a fine cut flower. Each, 35c.

Purple EVEQUE—An elegant bright purplish violet, standing erect; very fine for cutting and most effective for the garden. Each, 50c.

Red PRIDE OF CALIFORNIA—Large red flowers, very attractive and an exceptionally good keeper. Fine for exhibition. Each, 60c.

FIREBURST—Brilliant scarlet red, flowers borne on stems of good length for cutting. Each 60c

OREGON BEAUTY—Its large size, brilliant color and free-flowering habit makes this a variety that stands out prominently among its neighbors; color, a rich, oriental red with golden sheen and garnet suffusion. Each, 35c.

White MONT BLANC—An early, free, continuous flowering creamy-white on good stiff stems. A most important cut flower variety. Each, 50c.

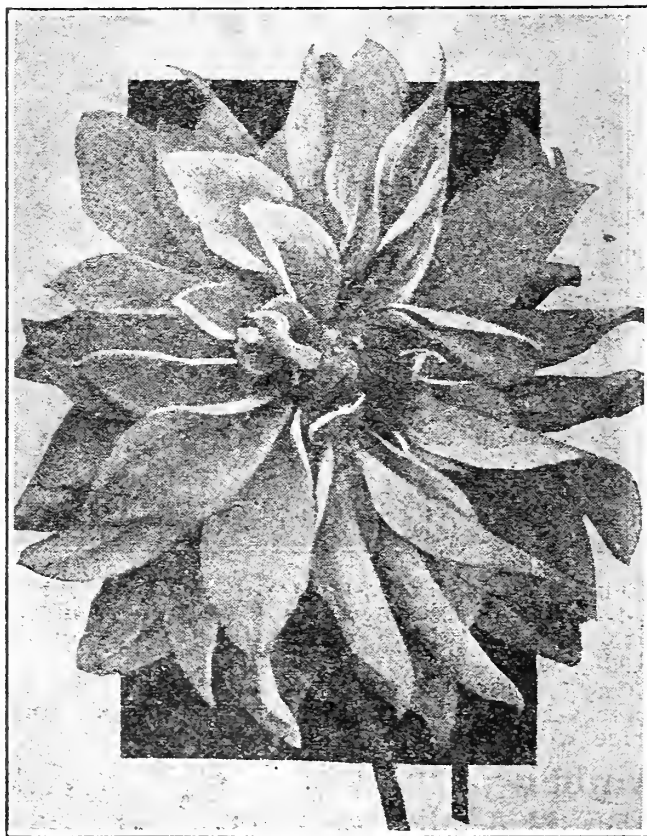
PRINCESS JULIANA—An ideal pure white for all purposes. A splendid cut flower and a good decorator for the garden. It is one of the earliest to flower, and continues in good shape throughout the season. It holds its flowers well above the foliage on stiff, wiry stems. Each, 40c.

Yellow MRS. C. H. BRECK—A splendid all around variety for garden decoration as well as for cutting. Its flowers are always of perfect shape, full double to the centre of a soft yellow, deeply suffused with carmine, produced in great profusion on long stiff stems. Each, 60c.

BREAK O' DAY—Clear sulphur yellow, highly recommended. One of the most desirable yellows. Each 75c.

One each of these twelve beautiful decorative Dahlias, \$5.25, postpaid; or \$5.90 worth of Decorative Dahlias for \$5.25.

PEONY—FLOWERED



This type of Dahlia has quickly taken first place among all types. The flowers are large and particularly valuable on account of their artistic effect. They are bold usually with broad petals, which in many varieties are greatly curled and twisted. The yellow center of the blooms is quite often completely hidden by the small incurving petals.

CHATENAY—A very beautiful salmon pink. Each, 40c.

DR. PEARY—One of the darkest, a brilliant reddish mahogany. Each, 60c.

ELSA—Pure clear white, very desirable, and much admired. Each, 60c.

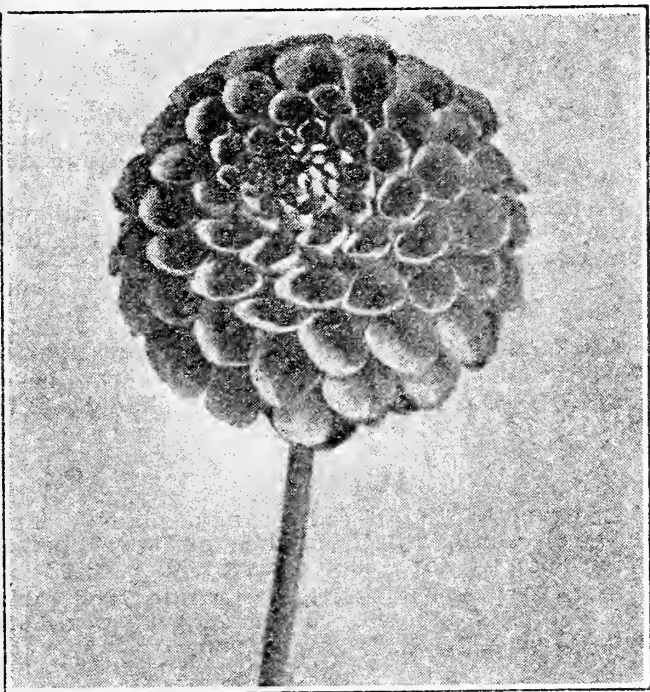
MOONFACE—Primrose yellow, free flowering and attractive. Each, 75c.

MRS. F. BAILEY—Deep scarlet blended with yellow. The combination of colors has a very pleasing effect and is recognized as being very beautiful. Each, 50c.

RUTH NICHOLS—Bright, dazzling red, showy, very attractive, and greatly esteemed. Each 75c.

One each of these six Paeony flowered Dahlias, \$3.25.

POMPON



Pompon

The plants grow into neat little bushes which are covered with small, perfectly ball-shaped Dahlias, measuring up to 2 inches in diameter. The flowers are always double to the very center and in many varieties the petals are curled.

ALEWINE—Pink-tinted lilac. Each 35c.

DAISY—Amber salmon. Each, 40c.

FASCINATOR—Soft pink. Each, 35c.

FASHION—Indian red. Each, 35c.

LITTLE JENNIE—Primrose, yellow. Each, 35c.

STAR OF THE EAST—Pure white. Each, 40c.

Any six of these Pompon Dahlias, \$2.00.

SHOW

Show Dahlias are usually of solid color, but in certain varieties the tips of the petals may be of another. They are usually round, ball-shaped, and are always beautiful and compact, desirable for cut flowers.

A. D. LIVONI—A splendid clear pink, beautifully quilled, of perfect form and very free-flowering. Each, 30c.

AMERICAN BEAUTY—Large brilliant scarlet-red. Each, 60c.

CUBAN GIANT—Very large ball shaped flowers of a bright maroon, free and early. Each, 30c.

DOROTHY PEACOCK—Large perfect shaped flowers of a bright seashell pink color, very early and free. Each, 50c.

DREER'S WHITE—A pure glistening white, a large ball-shaped flower with closely quilled petals, unsurpassed by any other variety in freedom of flowering. Since its introduction in 1909 it has been the premier white show variety at all exhibitions where shown. Each 40c.

DREER'S YELLOW—The best yellow Show Dahlia yet sent out. A good grower, early and profuse bloomer. In general form and make-up the flowers resemble Dreer's White, but they are larger, frequently over seven inches in diameter; these, when fully grown, are perfect balls in shape and are held rigid and erect on long stems. Each, 60c.

ETHEL BRITTON—Creamy-white; very pretty tipped with reddish violet. Each, 40c.



Show Dahlia

MAUDE ADAMS—A beautiful pure white, very effectively overlaid with clear delicate pink. A fine cut flower. Each, 35c.

STRADELLA—Rich deep purple crimson; very free flowering; long stems. Each, 35c.

W. W. RAWSON—An exceptionally fine shaped, large double flower. Color pure white, delicately overlaid with mauve. Each, 50c.

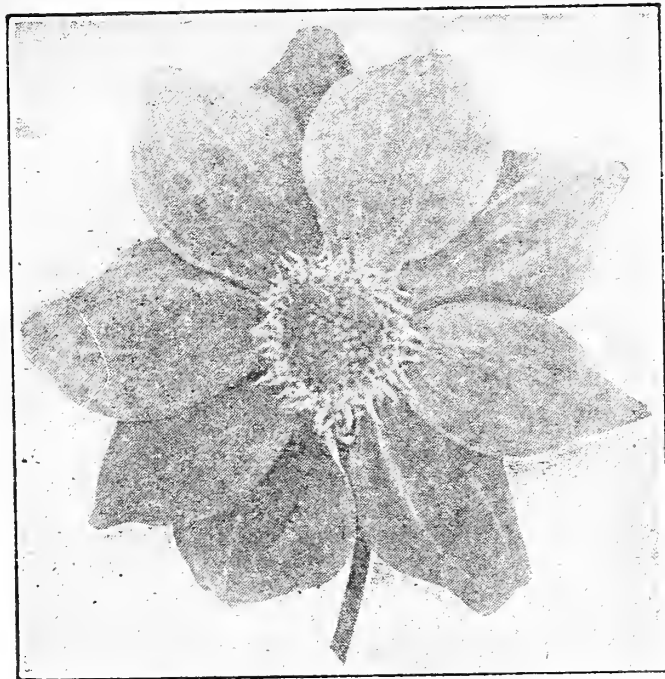
The entire 10 Show Dahlias, \$4.00, postpaid.

NEW CENTURY SINGLE

HAZEL HEITER—Bright crimson-carmine, with deeper shadings, base of petals canary-yellow. Each, 30c.

JACK—Brilliant fiery scarlet, the base of the petals overlaid with golden-yellow; very free-flowering. Each, 30c.

ROSE-PINK CENTURY—Flowers 6 inches and over in diameter, of a clear rose-pink color; a strong grower with long, stiff stems; fine for cutting. Each, 30c.



This giant flowering type of Single Dahlias are now very popular, both for garden decoration and for cutting.

SCARLET CENTURY—Brilliant scarlet with golden disc. Each, 30.

SNOWFLAKE — Very free-flowering; pure white. The finest single white yet introduced. Each, 30c.

TWENTIETH CENTURY—Early in the season an intense rosy crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white suffused with soft pink. Each, 35c.

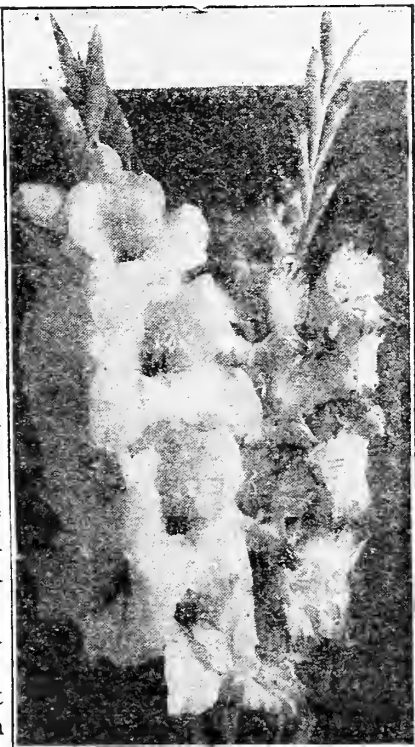
The entire 6 Single Dahlias, \$1.65, postpaid.

Special prices on all Dahlias, your assortment, postpaid:

All 30c Dahlias, $\frac{1}{2}$ doz., \$1.75; doz., \$3.25.
 All 35c Dahlias, $\frac{1}{2}$ doz., \$2.00; doz., \$3.75.
 All 40c Dahlias, $\frac{1}{2}$ doz., \$2.25; doz., \$4.25.
 All 50c Dahlias, $\frac{1}{2}$ doz., \$2.75; doz., \$5.25.
 All 60c Dahlias, $\frac{1}{2}$ doz., \$3.50; doz., \$6.50.
 All 75c Dahlias, $\frac{1}{2}$ doz., \$4.25; doz., \$8.00.

GLADIOLI

Gladioli are the most satisfactory, desirable and popular of all the garden bulbs. Nothing else of the kind costs so little, grows and blooms so readily in any soil or climate as Gladioli. They thrive and bloom with the least care and attention, and make a display which for brilliancy and beauty of coloring few bulbs can equal and none surpass. Plant any time from March to June.



Special prices postpaid, in straight or assorted lots:

All 50c varieties, 50, \$2.00; 100, \$3.50.

All 60c varieties, 50, \$2.25; 100, \$4.00.

All 75c varieties, 50, \$2.75; 100, \$5.00.

All \$1.00 varieties, 50, \$4.00; 100, \$7.50.

All \$1.25 varieties, 50, \$4.75; 100, \$9.25.

All \$1.50 varieties, 50, \$5.50; 100, \$10.00.

All named varieties of Gladioli are numbered one bulb and are not to be compared in quality to the smaller bulbs. These large bulbs cost more, but are well worth it, as they produce longer spikes, thus giving not only more flowers, but larger.

Blue

BARON HULOT—Long, graceful spikes, good-sized, well-opened flowers, having a rich indigo-blue color. It stands alone as a unique and beautiful shade, and never fails to attract attention. 2 for 25c; $\frac{1}{2}$ doz., 75c; doz., \$1.25.

CONSPICUOUS—Light blue, dark blue spot with yellow center. 2 for 25c; $\frac{1}{2}$ doz., 60c; doz., \$1.00.

Lavender

MARY FENNEL—Beautiful, deep lavender flowers on a tall slender spike. Lower petals penciled, with primrose-yellow. Two for 25c; $\frac{1}{2}$ doz., 60c; doz., \$1.00.

FAIR COLUMBIAN—Lilac lavender, tall, vigorous plant, good cut flower. 2 for 25c; $\frac{1}{2}$ doz., 75c; doz., \$1.25.

Maroon

ARIZONA—Dark pink, maroon markings on lower petals. 4 for 25c; $\frac{1}{2}$ doz., 35c; doz., 60c.

CHRIS—Dark maroon, purplish shaded. 2 for 25c; $\frac{1}{2}$ doz., 60c; doz., \$1.00.

Orange

ELECTRA—Light red orange shaded, large flowers, small white blotches on lower petals. 2 for 25c; $\frac{1}{2}$ doz., 60c; doz., \$1.00.

GOLDEN WEST—Bright orange red with some darker stripes. 2 for 25c; $\frac{1}{2}$ doz., 60c; doz., \$1.00.

Pink

AMERICA—A beautiful soft flesh pink. By far the most vigorous and easily grown Gladiolus known. Strong and healthy with luxuriant dark-green foliage and a freedom of growth and flowering surpassing all others. Spikes two to three feet long, erect with great number of large spreading blossoms, all facing one way and showing a color, the delicacy and beauty of which it is impossible to describe or reproduce. It is an exquisite, soft lavender pink, very light, almost a tinge white. 4 for 25c; $\frac{1}{2}$ doz., 30c; doz., 50c.

LE MARECHAL FOCH—An early-flowering strong-growing variety with deep rose-pink flowers. The spikes are bold flowers, large and a good many in bloom at same time. 3 for 25c; $\frac{1}{2}$ doz., 45c; doz., 75c.

PANAMA—An introduction of sterling merit is a favorite wherever high grade varieties are grown. It is similar to and has all the good qualities of America, but in color is a rich rose-pink. Unquestionably one of the finest. 3 for 25c; $\frac{1}{2}$ doz., 45c; doz., 75c.

Red and Scarlet.

ATTRACTION—Deep, dark, rich crimson with a very conspicuous large pure white center and throat. At once a most beautiful and attractive sort. 2 for 25c; $\frac{1}{2}$ doz., 60c; doz., \$1.00.

AURORA—Fine scarlet; very best of all scarlets. 2 for 25c; $\frac{1}{2}$ doz., 60c; doz., \$1.00.

MRS. FRANCIS KING—Of exceptional value for cut flower use. Color is a very pleasant light scarlet, strikingly attractive. Separate flowers often measure 4 to 5 inches across and 5 to 6 flowers are open at one time. 4 for 25c; 1/2 doz., 35c; doz., 60c.

Purple

ANNA EBERUS—Dark velvety purple with throat a deeper shade. Large flower spikes. 3 to 4 feet in length. 2 for 25c; 1/2 doz., 60c; doz., \$1.00.

GOLIATH—This, as its name implies, produces large flowers, which is very attractive and beautiful and of a very fine dark purplish color. 2 for 25c; 1/2 doz., 75c; doz., \$1.25.

Spotted

HALLEY—The predominating color of these flowers is delicate salmon-pink with a slight roseate tinge, though the lower petals bear a creamy blotch with a stripe of bright red through the center, the whole producing a delightful effect. 3 for 25c; 1/2 doz., 45c; doz., 75c.

MRS. FRANK PENDLETON—The flowers are very large and well-expanded, of a lovely flushed salmon-pink with brilliant carmine, or deep blood-red blotches in the throat, presenting a vivid contrast of orchid-like attractiveness. It is of the Lemoinei type in form and color effect, with a gandavensis stem, so that it takes up water freely and opens up perfectly nearly every flower after being cut and placed in water. 3 for 25c; 1/2 doz., 45c; doz., 75c.

White

LILY LEHMAN—Ivory white lily shaped flowers, very beautiful. 2 for 25c; 1/2 doz., 60c; doz., \$1.00.

PEACE—Flowers are large, of good form, correctly placed on a heavy, straight spike. Beautiful white, with pale lilac feathering on interior petals. 3 for 25c; 1/2 doz., 45c; doz., 75c.

Yellow

NIAGARA—Giant Yellow. In color the flowers are of a delightful cream shade with the two lower inside petals or segments blending to canary-yellow. The throat is splashed and tinted with carmine. The flower spike is very erect and stout and is wrapped with broad dark-green foliage. 2 for 25c; 1/2 doz., 45c; doz., 75c.

SCHWABEN—A very vigorous grower, also very free flowering. A clear canary yellow shading to sulphury yellow when open. 3 for 25c; 1/2 doz., 45c; doz., 75c.

YELLOW HAMMER—A pure yellow with a little red mark in the throat. 2 for 25c; 1/2 doz., 50c; doz., \$1.00.

All named varieties of Gladioli are number one bulbs, and are not to be compared in quality to the smaller sized bulbs. These large bulbs cost more, but are well worth it.

Special prices, postpaid, in straight or assorted lots:

All 50c varieties, 50, \$2.00; 100, \$3.50.
All 60c varieties, 50, \$2.25; 100, \$4.00.
All 75c varieties, 50, \$2.75; 100, \$5.00.
All \$1.00 varieties, 50, \$4.00; 100, \$7.50.
All \$1.25 varieties, 50, \$4.75; 100, \$9.25.
All \$1.50 varieties, 50, \$5.50; 100, \$10.00.

Ruffled Gladioli

The ruffled varieties are very much admired and esteemed by all lovers of this beautiful flower, and without doubt is a great forward step and adds much to their beauty.

ANTHONY B. KUNDRED—Delicate cream, overlaid blush pink, lower petals primrose yellow, heavily ruffled, a rare beauty.

PRIDE OF LANCASTER—A brilliant orange salmon. Rich, fiery, deeper orange throat. Tall, large, massive bloom.

WHITE GLORY—A gorgeous pure white with iris-blue throat.

YOUELL'S FAVORITE—Rosy lavender pink, large flowers on tall stem. Ruffled and very conspicuous. No better or more attractive or beautiful Gladioli grown.

Any of these fine ruffled gladioli 20c each; 1/2 doz., \$1.10; doz., \$2.00.

Clover Leaf Gladioli Mixtures

CLOVER LEAF MIXTURE—Gladioli mixtures can be purchased at almost any price and under almost any name, and it is a difficult matter for the purchaser to decide which is best. Our advice would be not to purchase small bulbs simply because they are quoted cheaper. Difference in cost is far more than compensated for in the better satisfaction obtained by planting the larger bulbs.

This year we are offering our Clover Leaf Mixture in two sized bulbs, the only difference being difference in size, as the mixtures are exactly alike.

No. 1 Mixture—First size bulbs, each, 5c; doz., 60c; 50, \$2.25; 100, \$4.00.

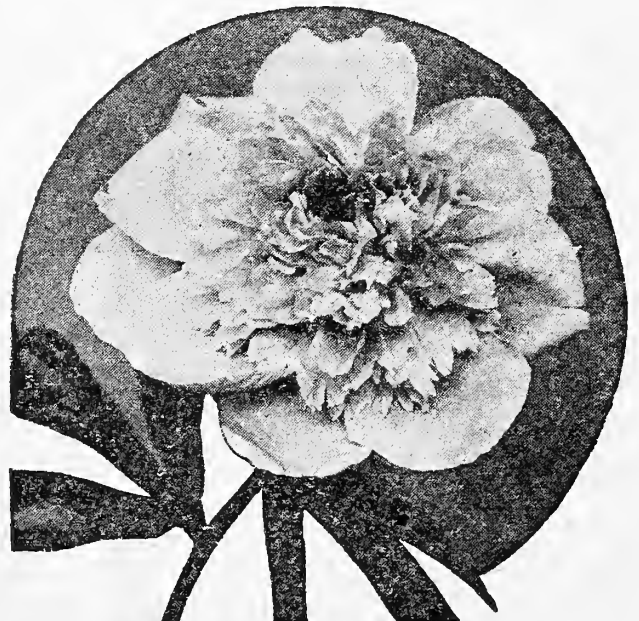
No. 2 Mixture—Second size bulbs, each, 5c; doz., 50c; 50, \$1.75; 100, \$3.00.

LILY OF THE VALLEY—One of the most satisfactory and charming spring flowering plants producing in profusion its delicate bell-shaped delightfully fragrant white flowers. Lillies of the Valley thrive in any common soil, are perfectly hardy, and will succeed in shady situation. 3 for 25c; doz., 90c; 50, \$3.25; 100, \$6.00.



Paeonies

There is no hardy perennial which equals the Paeony in beauty and usefulness. Once planted, the plants and flowers increase in size and beauty with age.



Special prices, postpaid, in straight or assorted lots:

	1/2 Doz.	Doz.
All \$.50 Paeonies	\$2.75	\$5.00
All .60 Paeonies	3.25	6.00
All .75 Paeonies	4.00	7.50
All 1.00 Paeonies	5.50	10.00
All 1.25 Paeonies	6.50	12.00
All 1.50 Paeonies	8.00	14.00

ALBATRE—Large, compact, globular rose type. Milk-white shaded ivory, wide center petals tinged lilac, edged with a minute line of carmine. Each \$1.00.

ALBERT CROUSSE—Very large compact bomb. Rose-white flecked crimson. Each \$1.25.

ALEXANDER DUMAS—Medium size, light violet-rose, Creamy white collar of narrow petals, mingled with the wide center petals. Each 60c.

COURONNE D'OR—Late. Large, flat, semi-rose type. Pure white with ring of yellow stamens around a tuft of center petals tipped carmine. Each 75c.

DUCHESS DE NEMOURS—Pure white crown, sulphur white collar, no crimson flecks. Each, 60c.

EDULIS SUPERBA—Large loose flat crown. Bright mauve-pink. Early. Each 60c.

EUGENIE VERDIER—Large medium compact flat semi-rose type. Pale hydrangea-pink. Collar lighter, center deeper, flecked crimson. Each \$1.25.

FESTIVA MAXIMA—Very large globular rose type. Pure white center, prominently flecked crimson; outer petals sometimes faint lilac. Each, 60c.

LA COQUETTE—Large globular high crown. Guards and crown light pink, collar rose-white. Center flecked carmine. Each, 50c.

LADY BRAMWELL—Soft, silvery pink. Each, 60c.

LIVINGSTONE—Very large compact perfect rose-type. Pale lilac-rose, with silver tips, central petals flecked carmine. Each \$1.50.

MARGUERITE GERARD—Large compact, semi-rose developing into a crown with stamens. Very pale hydrangea pink, fading to nearly white. Central petal flecked dark carmine. Each, 75c.

MME. CALOT—Large rose type. Pale hydrangea pink center shading darker. Collar tinged silver. Each, 75c.

MME. DE VERNEVILLE—Large very full bomb. Pure white center blush when first open, fading to pure white, prominent carmine specks. Each, 60c.

MME. COSTE—Globular bomb, developing a low crown. Guards and center hydrangea pink, collar cream white, center flecked with crimson. Each, 60c.

MME. CROUSSE—Medium size, globular crown. Pure white center flecked crimson. Each, \$1.00.

MONS. DUPONT—Large flat rose-type. Milk-white center, splashed crimson. Each, 75c.

MONS. JULIE ELIE—Color an ideal glossy lilac-pink, shading to deeper rose at the base of the entire flower, overlaid with a sheen of silvery rose. Each, \$1.50.

OCTAVIE DEMAY—Very large, flat crown. Guards and center pale hydrangea-pink, collar almost white. Price, \$1.25.

PHILOMELE—Medium size, low flat crown. Guard bright violet-rose, center of narrow amber-yellow petals, changing to cream, as the flower develops a crown appears, bright rose. Each, \$1.00.

		1/2 Doz.	Doz.
All \$.50	Paeonies.....	\$2.75	\$5.00
All .60	Paeonies.....	3.25	6.00
All .75	Paeonies.....	4.00	7.50
All 1.00	Paeonies.....	5.50	10.00
All 1.25	Paeonies.....	6.50	12.00
All 1.50	Paeonies.....	8.00	14.00

Mixed Colors

These mixed colors are not mixed and sold cheap because of small roots or inferior blooms but because names and colors have been misplaced. Very highly recommended. Each, 50c; 1/2 doz., \$2.75; doz., \$5.00.

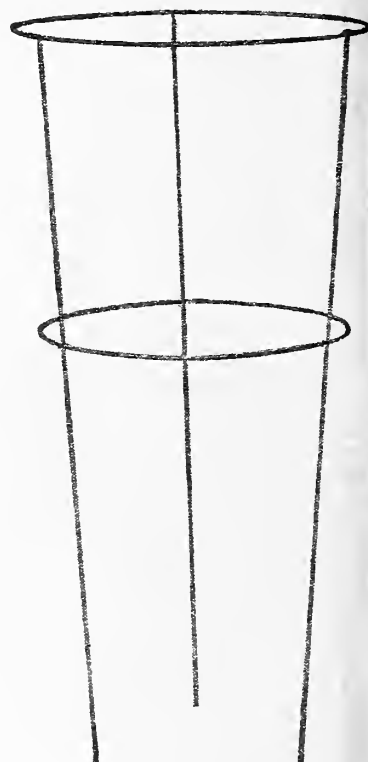
Tritoma, or "Red-Hot Poker"

TRITOMA PFITZER!—It grows from four to six feet high; the flower-spike is often five feet high, and the flower measures twelve to fifteen inches long by four inches in diameter. They are a dazzling scarlet, lower half of flower tinged with rich orange. A clump makes a striking show. Each, 40c; 1/2 doz., \$2.25; doz., \$4.25.

Inland Peony and Plant Supports

Are strong enough to hold the weight that is developed as the plant grows. No. 6 gauge galvanized wire. Will not rust. Diameter of top ring, 14 inches. Diameter of lower ring, 12 inches. Space between rings, 12 inches. Length of side wires, 30 inches.

Price, 35c. Weight, 2 lbs., add postage.



Inland Plant Props

Are desirable for supporting all kinds of Flowers and Vegetables that vine such as Tomatoes, Beans, Peas, Dahlias, etc.

They are made of 6-gauge galvanized wire, will not rust, and eliminate the yearly chore of hunting and cutting wood sticks.

They have a loop at the top which is electric welded and prevents all string from slipping out of loop.

There are four grooves at even intervals on the prop to tie the plant according to its height.

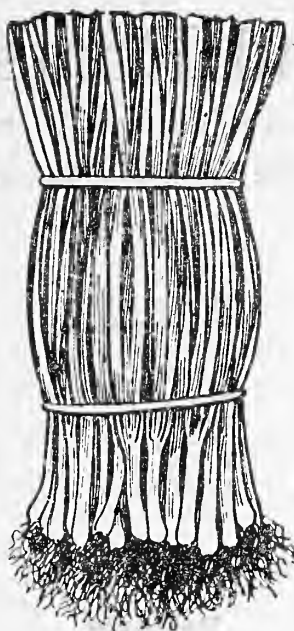
Height Inches	Quantity	Price	Mailing Weight
36	12	\$1.25	1 lb.
36	25	2.00	2 lbs
36	50	3.50	3 lbs
36	100	6.50	5 lbs
48	12	1.50	1 lb.
48	25	2.50	2 lbs
48	50	4.50	4 lbs
48	100	8.50	7 lbs

Add postage.

Bermuda Onion Plants

Of late years onion plants have been extensively used in some districts for producing large early matured onions, as it is claimed a matured onion can be secured from the plants much sooner than from seed or sets. The plants are good keepers so that there is little or no danger of them not growing. Besides, they are one of the easiest plants to grow. Prepare land as you would for any other vegetables. It is recommended to plant the rows sixteen inches apart and the plants three to four inches apart in the rows. If planted in this manner it will take about 100,000 to the acre. An old-fashioned dibble can be used successively in planting. Do not plant too deep. Plants are put up 100 in a bundle and sixty bundles to a crate.

Price, postpaid, 100, 40c; 200, 70c; 300, \$1.00; 500, \$1.50; 1000, \$2.50; 6000, \$10.00. Not less than 100 sold.



Strawberries

AROMA—Among the best of the late ripening varieties. Quality the best of any, comes nearer being the true strawberry flavor than all others. Its shipping qualities are of the best.

CLARK'S SEEDLING—This variety originated in our state a seedling of the old popular Willson variety. Like the Hood River, a near relation, it is unsurpassed as a shipping variety and in some sections very prolific.

GLEN MARY—A bright, handsome, prolific, standard sort, grown the country over and perfectly reliable. Some large growers claim for this the par excellence in strawberries.

HOOD RIVER—The leading standard shipping variety. Dark red color, uniform size, good quality, but not heavy in yield. A specialty berry for the grower whose market is somewhat distant.

MARSHALL — Produces remarkably large, beautiful fruit, resembling the far-famed Glen Mary.

OREGON—A fadeless, dark red exterior; the deep red color is extended clear to the center of the fruit. Exceptionally fine for canning. Any variety that we offer will fertilize it except Aroma.

SENATOR DUNLAP—Its color is a rich dark red, with glossy finish. It has become a very popular variety, perhaps on account of its uniformity.

ALL OF ABOVE STRAWBERRIES.

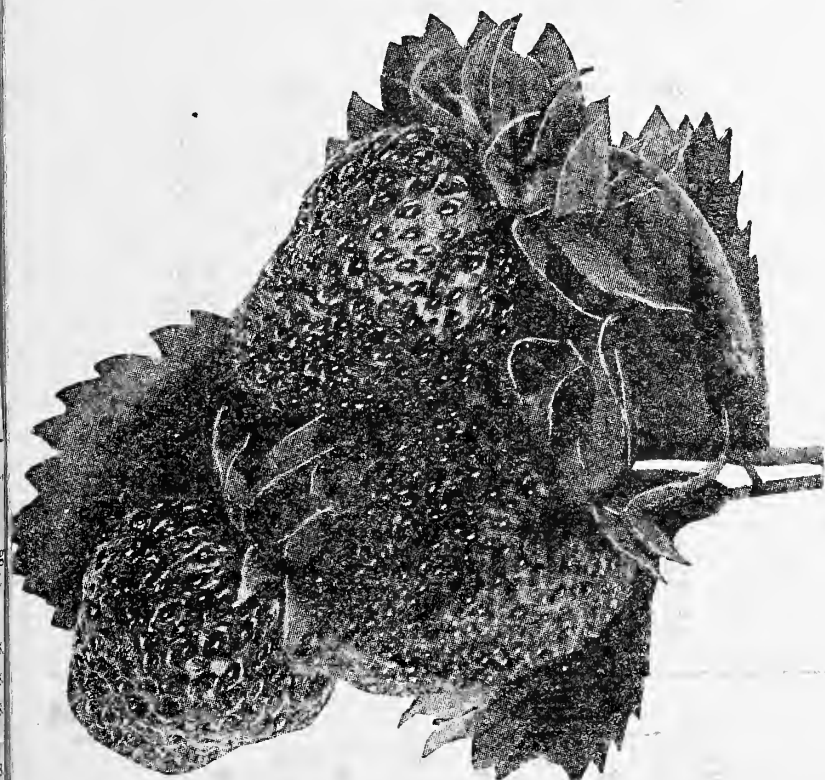
Postpaid				By Express—Not Postpaid				
Doz.	25	50	100	200	300	400	500	1000
\$0.30	\$0.50	\$0.85	\$1.50	\$2.25	\$3.00	\$3.60	\$4.25	\$8.00

Everbearing

Price of both varieties of Everbearing:
Doz., 50c; 25, 80c; 50, \$1.50; 100, \$2.50, postpaid; at purchaser's expense, 200, \$4.50; 300, \$6.30; 400, \$8.00; 500, \$9.25; 1000, \$17.50.

PROGRESSIVE—This wonderful everbearer has become so well known and has proven such a favorite that it is unnecessary for us to give a long description. As a home garden berry the Progressive fills the bill. The Progressive is a persistent bearer from the time plants are set in the spring until hard freezing, and again is the first to bloom in the following spring, and yields a good crop same time as other varieties. The quality of this berry is most excellent.

SUPERB—The fruit of Superb is large, glossy and of fine quality, being a strictly fancy variety. It is not so productive and requires more care and attention than the Progressive, but makes up for this by being larger in size, presenting a better appearance, and having a finer flavor. In some sections of the Northern states, Superb gives better results than the Progressive.



Everbearing

PRICES NOT GUARANTEED, BUT ARE SUBJECT TO CHANGE.

Plants and Roots

(NO PLANTS OR ROOTS SENT C. O. D.)

PLANTS—FLOWERING—Perennials and Annuals

Variety	Prices		Variety	Prices	
	Postpaid Doz.	Postpaid 100		Postpaid Doz.	Postpaid 100
Alyssum	\$0.30	\$3.00	Marigold	\$0.35	\$3.50
Asters .....	.35	3.50	Mignonette .....	.30	3.00
Daisies .....	.35	3.50	Pansies .....	.75	5.50
Carnations .....	.35	3.50	Petunia .....	.35	3.50
Cosmos .....	.35	3.50	Salvia .....	.35	3.50
Dahlias .....	.35	3.50	Snapdragons .....	.30	3.00
Dusty Miller .....	.30	3.00	Stocks .....	.35	3.50
Geraniums, 3-in. pots.....	.40 each	4.25 doz.	Verbenas .....	.30	3.00
Heliotropes .....	.35	3.50	Wallflowers .....	.35	3.50
Lobelia .....	.35	3.50	Zinnias .....	.35	3.50

PLANTS—VEGETABLES

Variety	Postpaid			Not Postpaid	
	Doz.	50	100	500	1000
Brussels Sprouts	\$0.20	\$0.60	\$1.00	\$	\$
CABBAGE—					
Early Jersey Wakefield, transplanted .....	.25	.75	1.00	.....	.....
Early Jersey Wakefield, not transplanted .....	.20	.50	.75	2.75	5.00
Danish Ball Head, not transplanted .....	.20	.50	.75	2.75	5.00
Red, not transplanted .....	.20	.50	.75	.....	.....
Copenhagen Market, not transplanted .....	.20	.50	.75	2.75	5.00
CAULIFLOWER—					
Snowball, transplanted .....	.30	1.00	1.50	.....	.....
Snowball, not transplanted .....	.25	.75	1.00	3.75	7.00
CELERY—					
White Plume, transplanted .....	.25	.75	1.25	.....	.....
White Plume, not transplanted .....	.20	.65	1.00	2.75	5.00
Golden Self-Blanching, transplanted .....	.25	.75	1.00	.....	.....
Golden Self-Blanching, not transplanted .....	.20	.65	1.00	2.75	5.00
Celeriac .....	.25	.75	1.25	.....	.....
Egg Plant .....	.30	1.00	1.50	4.25	8.00
Parsley .....	.25	1.00	1.25	.....	.....
PEPPERS—Transplanted—					
Chinese Giant .....	.30	1.00	1.25	3.75	7.00
Ruly King, transplanted .....	.30	1.00	1.25	3.75	7.00
Bull Nose, transplanted .....	.30	1.00	1.25	3.75	7.00
Cayenne, transplanted .....	.30	1.00	1.25	3.75	7.00
Cherry, transplanted .....	.30	1.00	1.25	3.75	7.00
TOMATOES—					
Earliana, transplanted .....	.30	1.00	1.50	4.75	9.00
Earliana, not transplanted .....	.25	.75	1.25	2.75	5.00
Dwarf Champions, transplanted .....	.30	1.00	1.50	4.75	9.00
Dwarf Champion, not transplanted .....	.25	.75	1.00	2.75	5.00
Husk or Ground Cherry, transplanted .....	.30	1.00	1.50	.....	.....

Roots

Variety	Roots				
ASPARAGS—					
Palmetto, 1 year old.....	\$0.25	\$0.75	\$1.00	\$3.25	\$6.00
Palmetto, 2 years old.....	.40	.85	1.50	5.25	10.00
Palmetto, 3 years old.....	.50	1.50	2.25	7.75	15.00
Hop .....	.75	2.75	5.00	.....	.....
Horseradish .....	.40	1.25	2.00	.....	.....
Mint .....	.75	2.50	4.00	.....	.....

	Postpaid			Not Postpaid	
	Each	Doz.	50	100	500
Chives, small bunch	\$0.15	\$1.25	\$	\$	\$
Rhubarb, 1 year old .....	.15	1.25	3.25	5.00	17.50
Rhubarb, 2 years old .....	.20	1.75	4.50	8.00	30.00

PRICES NOT GUARANTEED, BUT ARE SUBJECT TO CHANGE.

ROOTS, FLOWERING, HARDY PERENNIALS

Variety	Time of Blooming	Height	Color	Prices	
				Prepaid Each.....	Prepaid Dozen.....
Alyssum, Saxatile	Spring.....	1 foot.....	Yellow	\$0.35	\$3.50
Aquilegia (Columbine)					
Hybridum	June-Sept.....	30 inches.....	Mixed .....	.35	3.50
Aquilegia (Columbine)					
Elegantissima	June-Sept.....	30 inches.....	Mixed .....	.35	3.50
Aster, Alpina (Everlasting).....	May-June.....	11 inches.....	Blue .....	.35	3.50
Aster, Hybridum (Everlasting).....	Aug.-Oct.....	36-48 inches.....	Mixed .....	.35	3.50
Aster, Beauty of Callwall (Everlasting).....					
Aster, Rain of Blood (Everlasting).....	Aug.-Oct.....	36 inches.....	Purple .....	.40	4.25
Aster, Climax (Everlasting).....	Aug.-Oct.....	36 inches.....	Red .....	.40	4.00
Aster, Lill Fardell (Everlasting).....	Aug.-Oct.....	36 inches.....	Light Blue.....	.40	4.00
Avens, Geum, Atrosanguineum.....	June-Sept.....	1½ feet.....	Carmine .....	.40	4.00
			Scarlet .....	.40	4.00
Baby's breath Gypsophila, Single	April-May.....	2 feet.....	White .....	.35	3.50
Baby's Breath Gypsophila, Double	April-May.....	1½ feet.....	White .....	.45	4.75
Bleeding Heart, Spectabilis.....	Summer.....	2 feet.....	Rose .....	.60	6.50
Campanula (Canterbury Bell)					
Carpatica	July-Aug.....	12 inches.....	White, Blue, Pink.....	.35	3.50
Campanula (Canterbury Bell)					
Cup and Saucer	June-July.....	30 inches.....	All colors.....	.35	3.50
Campanula (Canterbury Bell)					
Pyramidalis Compacta	July-Aug.....	30 inches.....	Blue .....	.35	3.50
Campanula (Canterbury Bell)					
Percicifolia, The Fee	July-Aug.....	30 inches.....	Blue .....	.35	3.50
Chrysanthemum (Shasta Daisy) Alaska	June-Nov.....	24 inches.....	White .....	.35	3.50
Chrysanthemum (Shasta Daisy) Mrs. Lothar Bell	June-Nov.....	24 inches.....	White .....	.35	3.50
Chrysanthemum (Shasta Daisy) Common Early Flowering	May-June.....	24 inches.....	White .....	.35	3.50
Coreopsis, Grandiflora	May-Oct.....	24 inches.....	Yellow .....	.35	3.50
Delphinium (Larskpur)					
Formosum	June-Nov.....	36 inches.....	Blue .....	.35	3.50
Delphinium (Larskpur)					
Hybridum	June-Nov.....	60 inches.....	Blue .....	.35	3.50
Delphinium (Larskpur)					
Belladonna	June-Nov.....	60 inches.....	Light Blue.....	.35	3.50
Delphinium (Larskpur)					
Chinensis	June-Nov.....	30 inches.....	White or Blue.....	.35	3.50
Delphinium (Larskpur)					
Dwarf	June-Nov.....	12 inches.....	Blue .....	.35	3.50
Dianthus (Pinks), Grass or Scotch Pink	May-July.....	12 inches.....	Mixed .....	.35	3.50
Dianthus (Pinks), Caesius.....	June-July.....	8 inches.....	Pink .....	.35	3.50
Dianthus (Pinks), Sub Acaulis.....	June-July.....	6 inches.....	Rose .....	.35	3.50
Fox Glove, Digitalis, Gloxineiflora					
	June-Aug.....	5 feet.....	Pink		
			Mixed .....	.35	3.50
Garillardi (Blanket Flower).....	Spring & Summer.....	2 feet.....	Scarlet .....	.35	3.50
Golden Glow, Rudbehias.....	Aug.-Oct.....	6 feet.....	Yellow .....	.35	3.50
Hollyhocks, double	July-Oct.....	4 feet.....	Scarlet .....	.35	3.50
Hollyhocks, double	July-Oct.....	4 feet.....	White .....	.35	3.50
Hollyhocks, double	July-Oct.....	4 feet.....	Yellow .....	.35	3.50
Iberis, Little Gem	April-Aug.....	1 foot.....	White .....	.35	3.50
Iris, English	June.....	24 inches.....	Mixed .....	.35	3.50
Iris, Liberty	May-June.....	30 inches.....	Yellow, White Edged .....	.35	3.50
Iris, Siberian	June.....	24 inches.....	Blue .....	.35	3.50
Iris, Spanish	June.....	24 inches.....	Mixed .....	.80	
Phlox	Fall.....	2½ feet.....	White, Red, Pink.....		
Pyrenthrum, Hybridum	Fall.....	2 feet.....	Mixed .....	.35	3.50
Sweet William, Dianthus, Crimson	June-July.....	24 inches.....	4 dif. colors.....	.35	3.50
Sweet William, Dianthus, White	June-July.....	24 inches.....	4 dif. colors.....	.35	3.50
Sweet William, Dianthus, Salmon	June-July.....	24 inches.....	4 dif. colors.....	.35	3.50
Sweet William, Dianthus, Scarlet	June-July.....	24 inches.....	4 dif. colors.....	.35	3.50
Veronica, Repens	May.....	¾ foot.....	White .....	.35	3.50
Violets	Spring.....	6 inches.....	Blue .....	.20	2.00

“ Germaco ” Hotkaps



Hotkaps are miniature hothouses, manufactured from wax paper, under which the seed of melons, tomatoes, peppers, etc., can be planted, thereby saving the cost of labor of transplanting. Young plants under **HOTKAPS** are protected from frost and insects and will mature more quickly than those transplanted.

"Hotkaps" are cone-like in shape, measuring about 11 inches in diameter at the base and coming to a point at the top. They are reinforced by a strip of heavily waxed paper to guard against outside pressure. Rain will not destroy them nor will it injure or lessen their effectiveness in any way.

In placing the "Hotkaps" over the plants, the "Hotkap Setter" will prove very helpful. This is a small steel cone, the exact shape of the "Hotkap" itself, with a handle at the top.

"Hotkaps" are placed in the Setter, and the Setter is then placed on the ground over the plant. Slight pressure on the handle at the top will force both Setter and "Hotkap" into the ground from $\frac{1}{4}$ to $\frac{1}{2}$ inch. The edge of the "Hotkap" protruding from around the rim of the Setter is then covered with sufficient soil to weight the "Hotkap" down.

To make it easier to set them out in quantities, a specially made carrier, holding approximately 150 "Hotkaps," is supplied to fill.

Price, 1000, \$10.50 per M., less than 1000, \$11.50 per M., less than 500, \$12.50 per M., less than 250, \$13.50 per M., less than 100, \$15.00 per M., doz., 25c doz.

Thousand weigh 20 lbs. Add postage. Hotkap Setter, \$2.50; postpaid, \$2.60. Hotkap Carrier, \$2.75; postpaid, \$2.85.

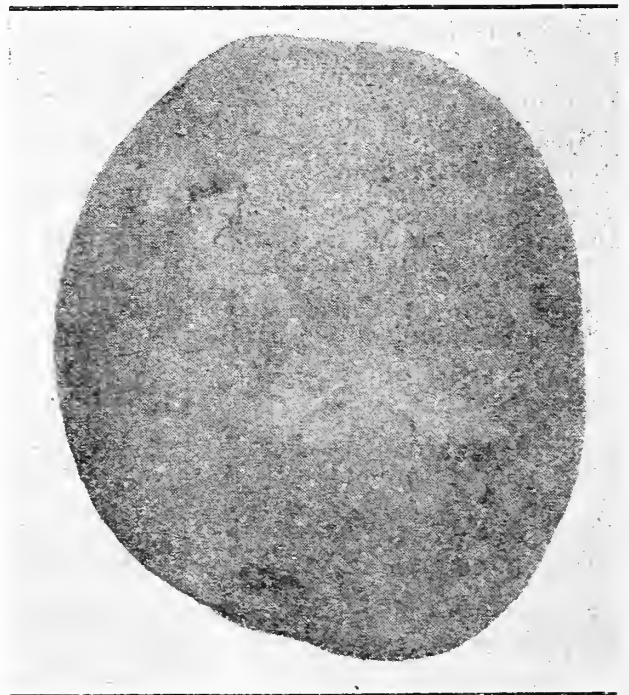
Potatoes

Potatoes can be grown in any soil provided it is well drained, but if grown on sandy, rich soil, they will be of better quality than if planted on clay soils. Sod land is most excellent for this crop. It is best to put the manure on one year before the potatoes are to be planted, and in no case raw stable manure should be used, as it is liable to produce scab. In cutting potatoes for planting, do not cut the pieces too small and be sure to have one to three eyes on each piece planted. The constant use of very small tubers should be avoided, or they are likely to run out. The sets should be planted from 3 to 4 inches deep, according to the time of planting, in rows 3 feet apart and 16 to 18 inches in the rows.

PRICES—Owing to the great uncertainty regarding values we are unable to make definite prices at present, but quote approximately as follows, purchaser paying all carrying charges: Less than 25 lbs., 6c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00. If you are needing a quantity we prefer that you write for prices as these prices are not guaranteed. Unless otherwise advised we will send full value at prices prevailing at time of shipment for money received. Add postage.

Early

OHIO—A leading early sort. Round, short, and thick tubers, smooth and solid; cooks dry and mealy and matures very early.



Bliss Triumph or Six Weeks

BLISS TRIUMPH OR SIX WEEKS—This is recognized as being one of the very earliest varieties grown, and in addition it is also one of the best yielders of the early varieties. Besides these two very important advantages, it possesses a third, namely: its quality; and quality is the great pivotal point at which we are aiming in the production of all our seeds, plants and roots.



Earliest of All or Early Eureka

EARLIEST OF ALL OR EARLY EUREKA—

Is a shallow-eyed white-skinned variety of vigorous growth. The tubers are smoother and have fewer eyes than most other varieties. While it is a very early potato it is also a good keeper.

Medium

IRISH COBBLER—The tubers are round, somewhat flattened with rather deep eyes and are medium to large in size. The skin is smooth, finely netted, and white in color. Flesh white of fine quality and flavor.

Late

NETTED GEM—The hardiest, most vigorous in growth, most productive, and the best in table quality of all potatoes. It has proved to be unequalled for main crop. The vines are strong, with deep green foliage. In form the tubers are medium long. The eyes are small



Netted Gem

and there is very little waste in paring. The skin is thin and very smooth with the exception of very small depressions which give it the appearance of being netted and from which it derives its name. The flesh is fine grained and cooks up mealy white. It is very free from scale and one of the very best keepers on the market.

Clovers

Great care should be exercised in purchasing grass and clover seeds. This is even more important than with other seeds, for, on account of being perennials, and the land not being cultivated, the farmer has not an opportunity to cultivate and thus destroy any weed seeds that might be sown with grasses and clovers.

Owing to the market changes we cannot quote prices in quantities. When ready to buy, write us for prices, stating quantity wanted, or if you send money, we will ship seed to cover amount received.

Alfalfa or Lucerne

While what is known as the common alfalfa is the most popular and almost exclusively used, still there has been for a number of years other named varieties each claiming to be superior to the common alfalfa. The most widely advertised of these varieties is what is known as Grimm alfalfa. The originator of this variety has the following to say concerning it: "The Grimm alfalfa is much hard-

ier than the ordinary kinds. It not only endures extremely low temperatures, but it can be cut with greater safety late in the fall and will bear more abuse in the way of pasturage than any other plant that has been compared with it until this time."

Write for prices; state quantity wanted.

Grimm

Our sales of Grimm Alfalfa has been steadily increasing the past few years to such an extent that we have purchased a straight car of Canadian Grimm. On account of this being grown so far north and withstanding the rigors of Canadian winters, it is evident that it must be very hardy, consequently especially adapted for the Northwest, and is preferred by a great many to Grimm grown in Utah or Southern Idaho or in fact, to Grimm grown in any part of the United States. The Canadian test we have received is 99.90 per cent pure.

Write for prices, stating quantity.



A Scene in the Palouse Country—Sweet Clover.

ALSIKE, or SWEDISH (*Trifolium Hybrum*)

—A perfect hardy variety which is rapidly growing in popular favor. It yields large crops of excellent hay and under favorable conditions may be cut several times during the season. It is also valuable for bees. It is well calculated to resist both drouth and excessive moisture. The hay of this variety is greatly preferred by some to that of Red Clover, for the reason that it is generally finer, brighter and not so dusty, making it better for horses. Write for prices, stating amount wanted.



Alsike Clover

CRIMSON OR SCARLET (*Trifolium Incarnatum*)—It is a thrifty annual, growing from twenty to thirty inches high, and has a beautiful crimson blossom. It germinates quickly grows rapidly and stools abundantly. Write for prices, stating amount wanted.

ESPERETTE, OR SAINFOIN (*Onobrychis Sative*)—A deep rooting, perennial legume. It is rather difficult to establish, as plants are easily killed when young, but when once rooted, will live from ten to twenty years. Write for prices, stating amount wanted.

RED MAMMOTH — Being a rank grower makes it most valuable for fertilizing purposes. Foliage, flowers and stem much darker than common Red Clover; ripens later than the latter, about the time Timothy Red Top and other grasses ripen, making thereby a much better quality of hay, when mixed with them. Write for prices, stating amount wanted.

WHITE DUTCH—(*Trifolium Repens*)—A low, close-growing clover with white blossoms, very fragrant. It does not attain sufficient height to be profitable for hay, but is superior for pasture, either for cattle or sheep, and unsurpassed for the production of honey. It also makes a beautiful lawn when mixed with Blue Grass. Fancy for lawn. **Lb., 60c, postpaid.** Write for prices, stating amount wanted.

RED MEDIUM (*Trifolium Pratense*)—The standard clover for all purposes, either hay, pasture or for improving and enriching the soil. It is hardy and succeeds well on any good soil. It yields the heaviest crop of any clover except alfalfa, and makes superior hay — especially if mixed with timothy—either for dairy cows or for general use. Write for prices, stating amount wanted.



RED CLOVER.

SWEET CLOVER

A few years ago the only steadfast friend of sweet clover was the bee man.

The plant is a legume, and has in a general way the same characteristics and requirements as red clover, alfalfa and other legumes.

The same species of bacteria grow on both alfalfa, and vice versa. Sweet clover is a sweet clover field can be used to inoculate alfalfa, and vice versa. Sweet clover is a biennial, completing its growth the second year and then dying.

When all other foliage has been withered and killed by the scorching sun; when the pernicious chinch has devoured the last morsel of the silage crop, sweet clover will come to your assistance, making acceptable ensilage and tide over a most critical period.

Possesses Many Excellent Qualities

Sweet clover has some qualities that excel those of most other legumes. The first great advantage it possesses is its ability to thrive on any type of soil and under almost any climatic condition. It will grow on a very sandy soil or on the heaviest clay; on stony hillsides and loose loams; where rainfall is heaviest and where it is too light to produce a crop of red clover and timothy.

Does Well on Rough, Hilly Land

On very poor soils, however, it will thrive only where an abundance of limestone is present. Under such conditions its vigor and wonderful rooting system enable it to secure more plant food from the soil than almost

any other crop. Thus it proves must valuable on rough limestone hills.

General Remarks

With a favorable season and good stand it can be pastured without injury to plant in about 10 weeks. First season can pasture or cut crop of hay; second season pasture, hay or seed. Most valuable as continuous pasture, when it will reseed itself without thought or care of the grower.

It will never bloat stock, horses, cattle, sheep or hogs, turned out at any time, even in rain or dew. A good stand will pasture 20 head of hogs to the acre. Ring the hogs.

WHEN TO SOW—The best results are obtained by sowing in early spring as soon as the ground is dry and warm enough to put in condition for a good shallow seed bed.

WHITE BLOSSOM—(*Mellilotus Alba*)—This lives two years and then dies. It is the variety commonly referred to when "sweet clover" is mentioned and is the best for general use.

It is an erect branching biennial plant with woody stems, the first season growing 1½ to 3 feet high and developing a large root, in which is stored food material for the second seasons' growth. The growth the second season usually reaches a height of 4 to 7 feet. This seed is hulled and scarified.

YELLOW BLOSSOM—(*Mellilotus Officinalis*)—This variety belongs to the same family as the White Blossom, but it is not so prolific in growth, will not produce so large a tonnage, does not grow quite so tall, but is from ten days to three weeks earlier. This seed is hulled and scarified.

Write for prices, stating amount wanted.

Grasses

BLUE CANADIAN (*Pea Compressa*) — A hardy variety growing on poorest and driest soils. Short (6 to 8 inches), hardy and wiry, but high in nutritive value. Decidedly blue in color. Stems flattened. Invaluable for use on steep places or exposed situations. Write for prices, stating quantity wanted.

BLUE, ENGLISH OR MEADOW FESCUE (*Festuca Pratensis*)—A variety growing three to four feet high. Roots, deep, and resists drouth better than most grasses. It succeeds on any ordinary soil; yields a heavy crop of superior hay; one of the best grasses for pasture. Valuable to mix with other kinds. Write for prices, stating quantity wanted.

BLUE KENTUCKY—This makes the best, sweetest and most nutritious pasture for all kinds of stock. This grass is the first to start up in the spring and remains green until snow flies in the fall. It is very hardy and is uninjured by cold or dry weather, hot sun or tramping of hoofs. The roots are so thick and stout as to form a tough sod. Blue grass requires about two years to get well started and for that reason it is often sown in mixture with other grasses. It will do well on almost any land. Sometimes called "June Grass." Lb., 50c, postpaid. Write for prices, stating quantity wanted.

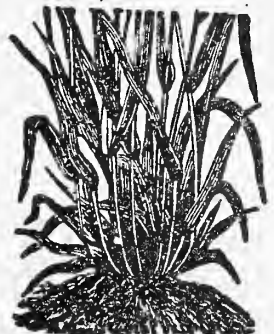


**KENTUCKY
BLUE GRASS.**

BROMUS INERMIS (Awnless Brome Grass) Withstands drouth well. The roots push through the soil and form fresh plants on every side. It starts from two to three weeks earlier in the spring than native prairie grass and it keeps green in the autumn longer than any of the useful grasses grown in the West. No amount of cold seems to be able to kill it. It bears up well under hot summer suns. It is an abundant producer of leaves and is much relished as pasture and hay. Write for prices, stating amount wanted.



ORCHARD GRASS.



RED TOP (*Agrostis Vulgaris*)—A valuable grass for moist, rich soils where it thrives very luxuriantly. It is a good variety to sow with Timothy and Clover for meadow or pasture and is more permanent than either of the other two. It should be fed close, as, if it is allowed to grow up to seed, the cattle dislike it. On good soil it grows about two feet high; on poor gravelly land about half that height. It has been grown successfully even on alkali land where other grasses failed. Red Top is commonly known as Herd's Grass and it should be more extensively grown, especially in combination with other grasses. Hulled Seed.

Write for prices, stating amount wanted.

RYE, ENGLISH (*Lollum Percune*)—This is a valuable pasture grass which will bear close cropping. Produces an abundance of foliage, which remains bright and green during the season. The hay is relished by all kinds of stock. It will grow well on almost any land but does better in cool, moist locations. Write for prices, stating quantity wanted.

ORCHARD—It stands the drouth, grows well in the shade, does well in wet or poor ground. This grass furnishes excellent pasturage three weeks before any other, and after close grazing ten days' rest is sufficient for another growth. Cows fed on this will produce more and richer milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for winter grazing, as it remains green all season. Write for prices stating quantity wanted.



RED TOP GRASS.

RYE—ITALIAN (*Lolium Italicum*)—A quick-growing grass, attaining a height of 2½ to 4 feet. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and bears an abundance of foliage that makes the best and sweetest hay imaginable. Write for prices, stating quantity wanted.

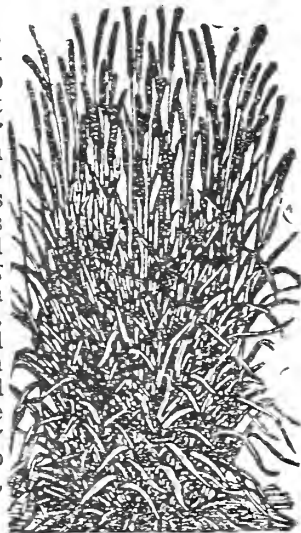
SUDAN GRASS is strictly an annual and dies each year, reaching a height of from seven to nine feet. The stems are small and rarely thicker than a lead pencil. The plant stools wonderfully and produces under favorable conditions as many as 100 stalks from a single root.

All stock relish the hay and thrive on it. Yields of from two to four tons per acre are common and under irrigation they run as high as eight to ten tons to the acre.

SEEDING—Sudan Grass should not be planted until the soil has become warm in the spring. Planting in cold soil only delays germination and dwarfs the early growth. It can be sown any time during the summer as a catch crop so long as 70 to 80 days intervene before the date of the first expected frost. Sudan Grass can be sown in rows 18 to 42 inches apart and cultivated like corn, or it can be drilled in with a grain drill or sown broadcast by hand. Seeded in rows 36 to 42 inches apart. 2 to 3 pounds per acre of good seed are sufficient. In rows 18 to 24 inches apart 4 to 6 pounds, and drilled or broadcast 16 to 24 lbs. per acre are required. The grass stools abundantly after first cutting.

Price: Lb., 25c, postpaid. Write for price, stating quantity wanted.

TIMOTHY — On moist, loamy or clay soils it produces a larger hay crop than any other grass. It is not so well suited for light, sandy soils. Though preferring moist, temperate climate, it withstands extreme heat and cold. Its hay is very nourishing and can be preserved for a long time. It should be cut when flowering, as, if left later, the hay becomes hard and coarse. It is often sown along with Red Clover, and the nutritive value of the hay is greatly increased by the mixture. Height, 2 to 3 feet. Write for prices, stating amount wanted.



TIMOTHY.

TREFOIL is a fibrous rooted biennial plant, much resembling Yellow Suckling Clover, but the foliage is a paler green, and the flowers not quite so dark.

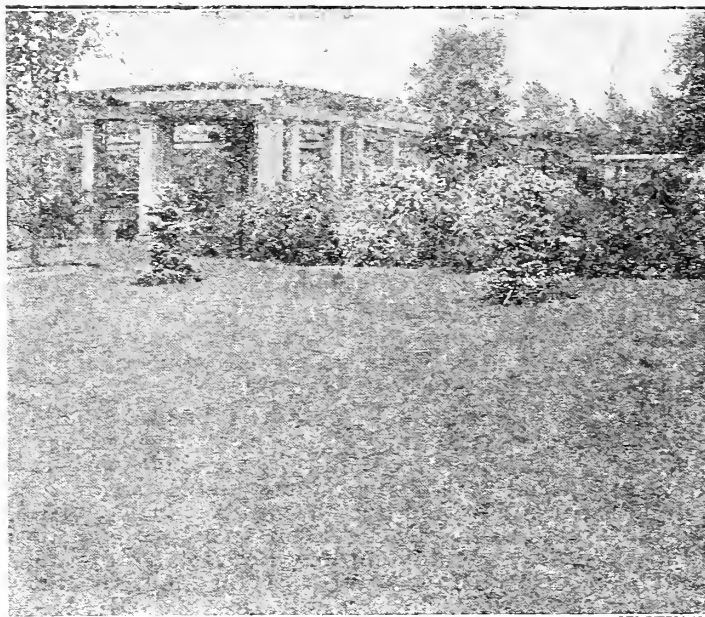
It is the earliest of the Clovers, and flowers about 14 days before Red Clover.

Being rather dwarf in habit prevents Trefoil from reaching the same standard in value for mowing as other taller growing Clovers, but it produces a large quantity of nutritious herbage, which is readily eaten by cattle.

Trefoil will grow freely on almost any soil, and shows preference for such as are calcareous, because lime is one of its necessities. Clay Marl is its special home. Fresh Green manure does not suit Trefoil, but a top dressing of a good compost or of Vegetable Ash generally brings a full crop. All manures containing potash and phosphoric acid have a magical effect on its growth.

Trefoil is rarely sown alone, but is recommended to be included in mixtures at the rate of 1 to 3 lbs. per acre. Price, lb., 50c; add postage.

Lawn Grass



Remember when making a lawn that it is to last for years, and be an ornament to the home, so give plenty of time and care to preparation before the seed is sown. Dig the soil deeply, break up the lumps, and thoroughly rake the top soil.

The most important thing to consider in selecting seed for lawn grass is to obtain a proper mixture. Our Clover Leaf mixture will give a green, smooth, velvety sod with a thick bottom and free from such varieties of common grasses as produce clumps. Do not put stable manure on your lawn, as it adds to the many weeds already in the soil, and if not broken up, the lumps of manure will smother the young grass.

In order to keep a lawn continually beautiful, it should receive frequent applications of fertilizers.

CLOVER LEAF LAWN GRASS—Lb., 60c., postpaid. Write for prices, stating quantity wanted.

IMPORTED CREEPING BENT—Being of fine texture this grass is most valuable for lawns and ideal for putting greens. It is of rapid growth and spreading habit and makes a strong, enduring turf. Lb., \$1.50, add postage.

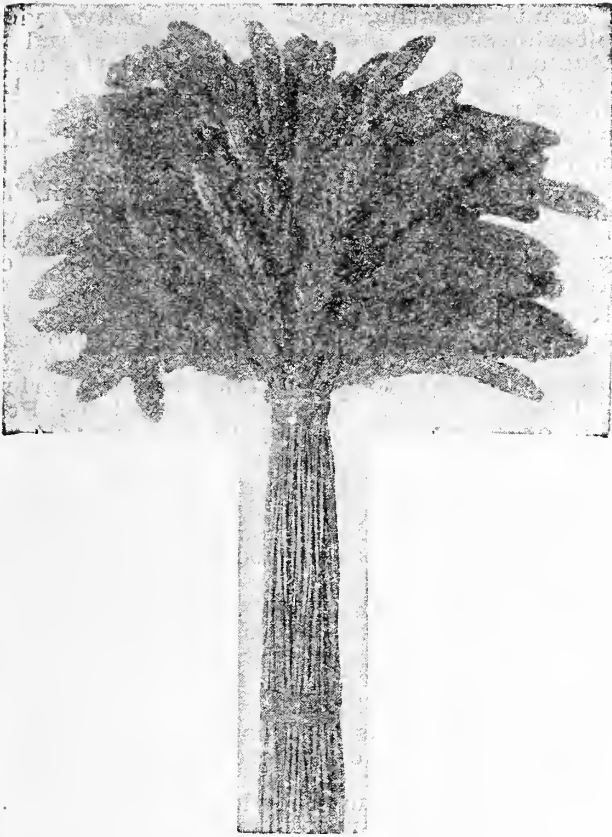
Millets

The Millets are a valuable crop for the farmer who has lost his seeding, or for some other reason expects to be short of hay, for in 8 or 10 weeks from sowing it is ready to cut for hay.

Millet can be sown as early as the middle of May, or as late as July 10th, although when sown July 10th, the crop comes so late in September that it is hard to cure on account of the cool weather and shorter days.

Write for prices on Millets, stating quantity wanted.

EARLY FORTUNE MILLET—Has given astonishing yields of both seed and fodder. It is very early and is claimed to be rust-proof. The fodder can be fed to horses and other stock without injury, even after the seed has formed which can not be done with safety with most of the millets. The seed is large and of a beautiful red color.



Golden Millet

GOLDEN—This grows very rank and is one of the best varieties for hay or fodder. On good rich soil it will make a growth of 4 or 5 feet high, and although the hay may seem coarse, yet it is so tender that if cut at the right stage, which is when in full bloom, even the hogs will eat the cured hay quite greedily.

HOGS—Very rich and thus especially valuable as a hog food. A very much prized peculiarity of this millet is that the seed ripens while the stem is yet green; thus, if cut promptly can be threshed for the seed, while the hay after being threshed will make excellent fodder.

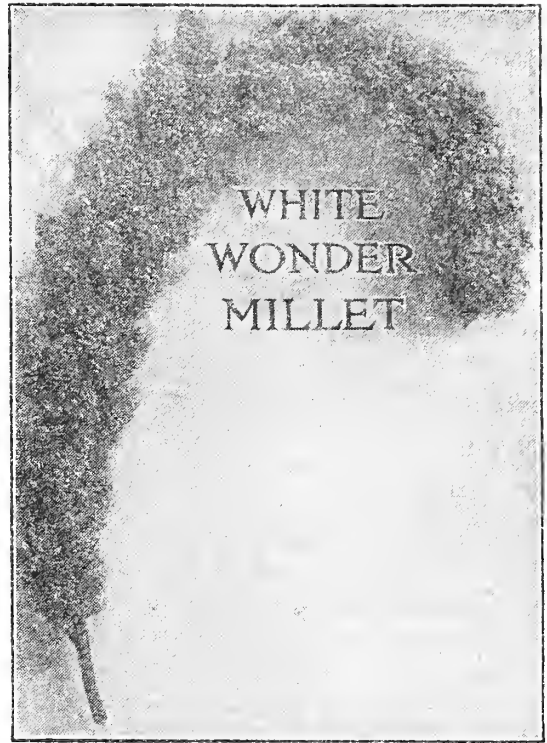
JAPANESE—Grows from four to seven feet tall, but is not harsh and woody, as other grasses are. In some sections of the country it is known as Barnyard Millet, while in other parts of the country it has been erroneously introduced under the name of Billion Dollar Grass by some seed houses.

SIBERIAN, OR RUSSIAN—Is claimed to be from two to three weeks earlier than the Golden Millet, that it is a much heavier cropper, that the hay is much finer, stalks more elastic and grows much taller, that it is rust-proof and being of stooling habit, requires much less seed per acre.

WHITE WONDER MILLET—The most striking feature of White Wonder Millet is the size of the heads, making it a very heavy yielder. The heads will run from eight up to eighteen inches and a single head will have as many as 15,000 seeds.

The foliage is very heavy, the leaves broad, and therefore produces an immense amount of excellent fodder which cures very readily.

Write for prices on Millets, stating quantity wanted.



Peas, Field

Field Peas are a very profitable crop and should be grown very extensively. They can be grown alone or with oats. When planted with grain and cut green they make a large amount of very rich feed; also very valuable for enriching the soil if plowed under. The dry peas make excellent hog feed and are very fattening.

Write for prices on all field peas, stating variety and amount wanted.

CANADIAN WHITE—A leading kind; seed almost white; a heavy cropper. **Lb., 15c, postpaid.**

GREEN—A very productive variety yielding as much as Canadians, but has less straw and is earlier. **Lb., 15c, postpaid.**

COW—Cow Peas are more tender than Canada or Field Peas and should not be sown until corn planting time. Cow Peas, being of very rapid growth during the warm weather, can be sown as late as the middle of July with reasonable assurance of a profitable crop, either for harvesting or plowing under. Are really small beans of vigorous vining habit and heavy foliage.

NEW ERA COW PEAS—A new, extra early variety, the quickest growing of any of the Cow Peas, maturing in about 60 days; specially adapted for planting north. **Lb., 25c, postpaid.**

WHIPPOORWILL—A brown, speckled, medium sized pea. A very prolific seed yielder; matures about ten days later than the New Era; upright and vigorous grower. **Lb., 25c, postpaid.**

Write for price on all field peas, stating variety and amount wanted.

Rape

DWARF ESSEX—Perfectly hardy and of remarkable fattening properties. Easily grown. Pigs, sheep and cattle are all extremely fond of it. A very rank grower and bears heavy manuring and high cultivating. Sow at intervals of several weeks and secure a supply of good feed. If soil is rich and clean, sow broadcast, otherwise in drills and cultivate same as corn. **Lb., 20c, postpaid.** Write for prices, stating amount wanted.

Vetches

SPRING — A pealike plant grown extensively in England and to a considerable extent in Canada for stock feeding, but not as much used in the United States as it should be. Lb., 20c, postpaid.

WINTER — SAND OR HAIRY (Vicia Villosa) — It belongs to the pea family, but the vines are much longer and the foliage more abundant. It is advisable to sow oats, barley or rye, etc., with Vetch, which serves as a support for the plants. A sowing in August or September covers the ground before winter. Can also be sown in April and will be ready to cut by the middle of July, the second growth affording excellent hog pasture during the summer. The yield of forage varies from ten to fifteen tons per acre, equal to three or four tons when cured as dry hay. Lb., 30c, postpaid.

Write for prices on vetches, stating variety and amount wanted.

Buckwheat

JAPANESE — This variety excels all others; yield much heavier; ripens one week to ten days earlier; stands up better and makes better flour. Excellent for bee pasture. Lb., 20c, postpaid.

SILVER HULL — A very good and popular variety. Grain is of light gray color; has a thin husk; matures early and yields heavy. A good milling variety. Lb., 20c, postpaid.

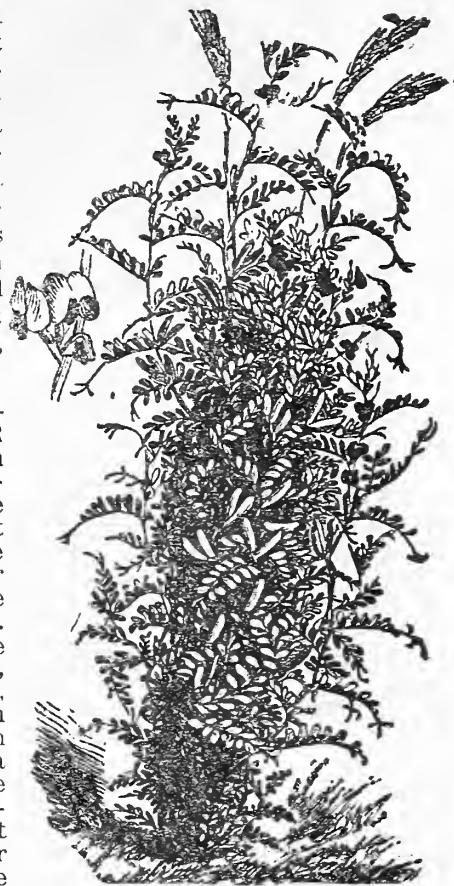
Write for prices on buckwheat, stating kind and amount wanted.

Miscellaneous Field Seeds

Write for prices on all varieties of field seeds, stating quantity wanted.

BROOM CORN, IMPROVED EVERGREEN — This is the most popular variety of broom corn to grow for the market, the brush being firm and of good length, and retaining the light green coloring when properly cured. Lb., 25c, postpaid.

EGYPTIAN CORN (also called Jerusalem Corn or Dhoura) — One of the non-saccharine sorghums, requiring the same growing conditions. Seeds well in dry sections. Producing small heads on side shoots up to eight on a stalk, the seed is larger than Kaffir corn; yield is heavy. See our notes on Sugar Cane. Lb., 25c, postpaid.



FETERITA — It belongs to the Sorghum family. The advantages claimed for Feterita are its drouth-resisting qualities, its heavy yield, its earliness, its stooling propensities and its freedom from insect pests. See remarks under Sugar Cane relative to a thorough trial. Lb., 25c, postpaid.

FLAX SEED (Recleaned for planting) — Lb., 25c, postpaid.

KAFFIR CORN — Grows 4 to 5 feet high. The stem or stalk bears numerous wide leaves. The stalks are brittle and juicy, not hardening like other varieties of sorghum. See our notes on Sugar Cane. Lb., 25c, postpaid.

KALE — (Thousand Headed) — The great demand for this wonderful forage plant proves it to be the most valuable green feed for Pacific Coast dairy and stockmen; endorsed by Agricultural Colleges and Government stations. Postpaid, oz., 15c; 2 oz., 25c; ¼ lb., 40c; ½ lb., 60c; lb., \$1.00.

LENTILS — Succeed best in dry, sandy soil. A leguminous annual, the seeds of which are valuable for pigeons and are used largely for soups. The leafy stalks make good forage. Lb., 25c, postpaid.

MILO MAIZE — This is one of sorghums similar to Kaffir Corn. Grows erect, with thick, close-jointed stalk. Height, 4 to 7 feet. See remarks under Sugar Cane relative to thorough trial. Lb., 25c, postpaid.

SUGAR CANE is supposed to be grown to advantage any place where you can produce a good crop of corn. From our knowledge of this article and our knowledge of the Inland Empire we would recommend the farmers to give this a thorough trial, but do not think it would be wise to go into it extensively until you have demonstrated that it can be grown profitably in your particular location.

EARLY AMBER — This is the earliest, richest and altogether the best sort for northern latitudes. Lb., 30c postpaid.

Sunflowers

The last few years Sunflowers have been extensively used for silo purposes and this illustration shows the possibilities of providing an ever endless supply of feed, and the number of cattle that might be on every farm. Good strong germinating dependable seeds, and the proper fertilizers judiciously applied is a combination that should be carefully considered by every tiller of the soil and a combination that will bring adequate returns for the time and money expended.

SUNFLOWER — (Large Russian) — Although the sunflower (*Helianthus Annus*) is a native of North America, and has grown in nearly every garden in this country, it is only in recent years that it has been recognized as a forage plant. The earliest record of sunflower cultivation is found in Spain about 350 years ago. It adapts itself to a wide range of soil and climate, responding to rich soil and good cultivation much like the corn plant. It has been extensively cultivated for its seed, which are very rich in oil. In this country, the seed has been extensively used as poultry food. Lb., 20c, postpaid. Write for prices, stating amount wanted.

Grain

In securing your seed grain it should be selected because that each grain has been well filled and thoroughly matured, because it has all ripened at the same time, and because of its freeness from all seeds that can not be separated from the grain. Kindly write us, asking for prices and state the amount wanted. Stating the amount is very important, as we do not know whether an inquirer wants one hun-

dred pounds or a ton. In case amount is not stated we always quote price on a small amount. You are therefore depriving yourself of our best prices should you want a quantity.

Write for prices on all varieties of grain, stating kind and amount wanted.

Wheat

There is wheat and wheat, and it is penny wise and pound foolish to sow inferior quality. This inferior quality may be because the grains have not been fully developed or on account of impurity, or on account of improper cleaning. We guard against all three, hence our quality is right.

Winter—Jones Fife, Martin Amber, Gold Coin.

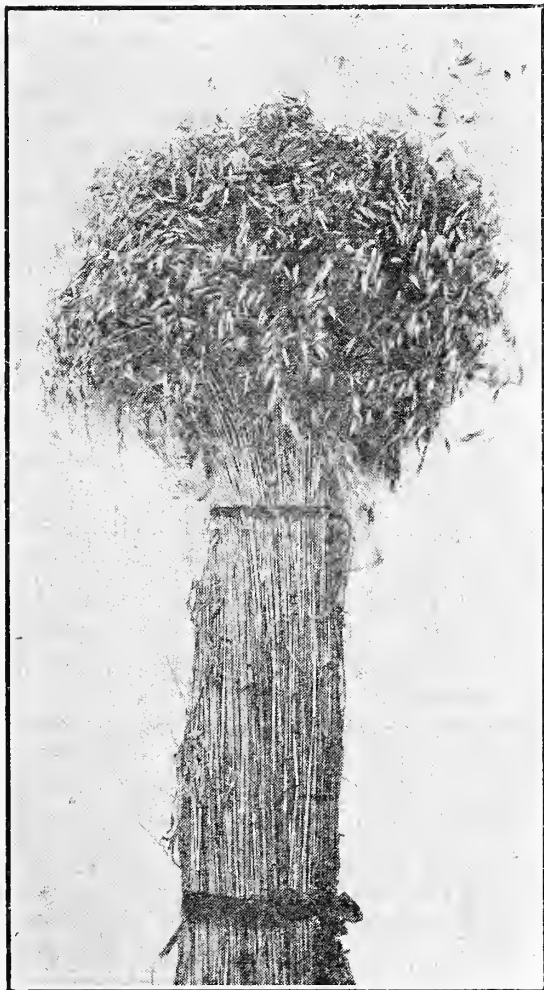
Spring—Bluestem, Marquis, Early Bart.

Write for prices, stating quantity wanted.

Oats

We handle the varieties mostly grown. Our quality will be as good as careful selection and recleaning can make them.

Markton Oats



The outstanding features of Markton oats are its immunity to covered smut and its superior yield. It is an erect, mid-tall, mid-season variety with a branching panicle. One of its distinguishing characteristics is the presence of hairs on the clum at the nodes. The kernels of Markton are yellowish white, long and slender and have a rather thin hull.

The lot of seed from which the Markton oat was later selected was obtained in 1904 by M. A. Carleton from the exhibit of Louis Dreyfus & Co., at the Louisiana Purchase Exposition, held in St. Louis, Mo. The original source of the seed was recorded as Dedeagatch, Turkey.

It was brought to the Washington Experiment Station from the Sherman County Branch Sta-

tion at Moro, Oregon, in 1919. It was included in the experiments at Pullman, where its comparative yield was determined and in addition found to be immune to covered smut. The following yield data are taken from the annual report of the experiment station.

Comparative Yields of Oats, Taking Banner as the Standard.

Variety	Yield 1926	No. Tests	Per Acre Yld. Cent	Bushels
Markton	65.4	9	106.8	87.5
Victory	64.7	8	102.1	83.6
Banner	64.4	25	100.0	81.9
Swedish Select.....	53.4	25	91.2	74.7
Sixty Day	58.1	25	82.5	67.6

It is fortunate that the characters of immunity to smut, high yield and good quality could be combined in a single variety of oats.

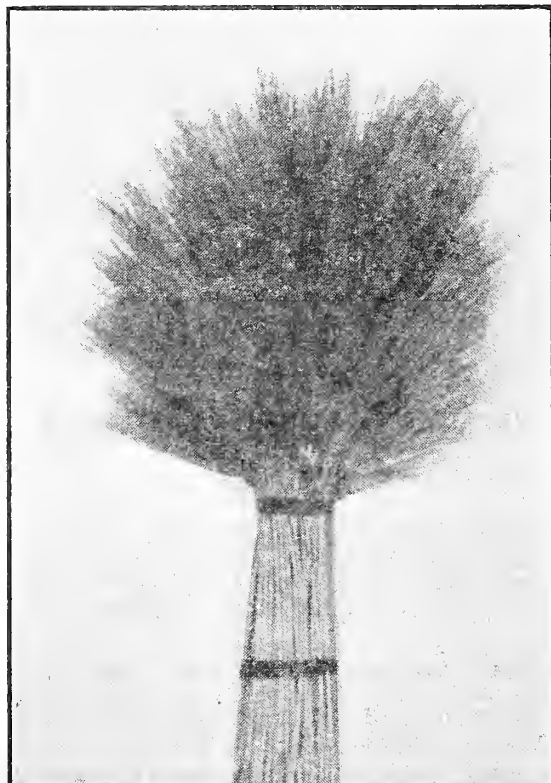
The seed we are offering was grown under contract for us by H. J. Shinn on one of his farms located at Newman Lake and he reports that the yield was exceptionally large, and that they are the heaviest oats that he ever harvested or saw.

We obtained the seed from which these oats were grown from the Washington State College of Pullman.

These oats are somewhat discolored on account of being exposed to rain, but as this only affects the color, it does not in any way affect the true value or worth of the oats. Write for prices. State quantity wanted.

Barley

BEARDLESS—Two strong features distinguish the Beardless Barley above all other barleys; first, its great yielding qualities; second, its freedom from the troublesome beard. It is on this account not only much more agreeable to handle in threshing than other barleys, but it is much safer and better to feed to livestock. As a fattening agent for swine Beardless Barley is particularly valuable.



WINTER—This is sown in fall and possesses the same advantages over the spring varieties that fall-sown wheat has over spring-sown wheat. This variety is bearded. Write for prices, stating quantity wanted.

Rye

Ask for prices on rye, stating amount wanted.

Rye is a valuable and very hardy crop, producing green fodder either in the early spring or late fall. It matures before other crops come in and can be sown on soil too poor for other cereals. Rye does not exhaust the soil as do other grains and can be cultivated longer on the same land than any other crop on the farm.

SPRING RYE—Spring Rye is an excellent catch crop where winter grain has been killed out, or for sowing where a full crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. Price, 100 lbs., \$3.00.

WINTER RYE—Rosen Rye is a stiff-strawed, large headed variety which ordinarily has four full rows of grain on over 99 per cent of its heads. It yields much better than the common winter rye, is very hardy and seldom winter-kills.

Rosen Rye outyields common rye from 25 to 50 per cent.

Write for prices, stating amount wanted, or we will fill all orders at price prevailing on date of shipment, sending grain for the amount of remittance received.

Kill the Smut in Your Grain

If there is smut in your grain destroy it by using bluestone or formaldehyde. This trouble is becoming very prevalent, and must be destroyed if wheat is to keep up its high grade of milling qualities. See page 86 for directions.

Nursery Stock

In compliance with requests from many of our customers for nursery stock we are listing the following varieties, but desire to state that this nursery stock is not of our own growing, but that we are securing it from sources that we believe to be thoroughly reliable and have every reason to believe that it can be relied upon as being dependable and trustworthy. Make an examination of shrubbery and trees as soon as received, and should there be any reason for complaint we ask that this be done at once so that we can report same promptly to our nursery man, as our nursery man seriously objects to replace unless report has been made promptly, as so much depends on the manner of planting and care given after planting.

Add 10c for postage when your order only calls for one root and 3c per root when three or more are ordered. This will equalize postage charges.

VINES AND CLIMBERS

Ivies

BOSTON IVY.—Japanese Ivy. Best known and most popular climber for chimney, brick and stonework. Graceful and showy foliage, thrives under all conditions. Each, 50c, 75c, \$1.00.

ENGELMANNI.—Deeply cut leaves which turn to a beautiful crimson in fall. Clings to walls without aid of artificial support. Vigorous growth. Each, 50c, 75c, \$1.00.

VIRGINA CREEPER OR AMERICAN IVY.—Fast growing, hardy creeper, massive foliage, deeply cut leaves which turn to a beautiful crimson in fall. One of the very best for porches, trees, rocky slopes, etc. Each 50c to 75c; add postage.

CLEMATIS

Popular vines for covering porches, trellises and arbors, and to climb over tree trunks, posts and fences. They are free flowering and very showy. The first two are large flowered varieties, blooming in late spring and summer.

HENRYI—Large single white flower, most popular of its color. Each, \$1.00.

JACKMANI—Large velvety dark purple flower, very showy. Each, \$1.00.

MONTANA—Clusters of sweet anemone like white flowers in late spring. Vigorous and hardy and very showy in flower. Each, \$1.00.

PANICULATA—The late flowering, Japanese variety with panicles of small white fragrant flowers borne in great profusion in early fall. Very desirable, entirely hardy. Each, 50c, 75c.

VILLE DE LYON—Large, red, very desirable. Each, \$1.00; add postage.

HONEYSUCKLES

HONEYSUCKLE—Favorite vines with fragrant flowers strong growers and well adapted for trellis work, on fences and verandas and especially beautiful when allowed to grow in wild and natural way, for covering sheds, rock heaps, old tree stumps and unsightly places. Their vining qualities are all that can be desired, but the delightful fragrance of their flowers makes their strongest bid for favor.

BELGIA OR EVERBLOOMING—Flowers yellow, blotched with red above; blooms all summer, fragrant. Each, 50c, 75c.

HALL'S JAPAN—Practically evergreen, retaining its rich dark green foliage most of the winter. Blooms continuously from June until frost; fragrant, white and yellow flowers, in great abundance. Each, 50c, 75c.

SCARLET TRUMPET—Trumpet shaped flowers of bright scarlet. Each, 50c, 75c; add postage.

WISTARIAS

Strong-growing, free-flowering climbers. They are hardy and ornamental, but require deep, rich soils and the occasional use of fertilizers, to obtain best results. When well established, a greater abundance of the lovely flowers can be had by rather severe pruning, cutting back the lateral shoots to short spurs and heading back the leaders conveniently, taking care, however, not to overdo it. The grafted Japanese varieties are strongly recommended as superior to the seedlings.

JAPANESE PURPLE—Grafted purple variety, vigorous and tall growing vine with bright green foliage, flower light purple in loose dropping racemes 12 to 30 inches long. Fine anywhere that a vine may be used but especially good on arbors and pergolas where the long racemes may hang through. Price, \$2.50.

JAPANESE WHITE—A grafted white flowered form, racemes very long and beautiful. Each, \$2.50.

Common purple, each 75c, \$1.00, \$1.50.

Common white, each 75c, \$1.00, \$1.50.

Add postage.

BEST HARDY PERPETUAL ROSES

Two Year Old. Each, 60c; except where quoted; add postage.

AMERICAN BEAUTY—One of the largest, sweetest and best; rich rosy crimson, shaded and veined in a most charming manner. Each, 75c.

CONRAD F. MEYER—A most valuable addition to the list of hardy, free-blooming roses. The color is beautiful pure silvery pink.

FRAU KARL DRUSCHKI—Many rose-lovers call this beautiful rose "Snow-Queen"; others simply call it the "White Rose." The blooms are very large, sometimes reaching nearly 6 inches in diameter. The growth of the plant is strong and vigorous, and it bears blooms abundantly in June.

GENERAL JACQUEMINOT—The old favorite "Jack" Rose is still popular. The blossoms are large, full, and globular, having an excellent cup-shaped form. In color they are brilliant scarlet-crimson, with deeper veinings toward the petal bases.

GEORGE ARENDS—Strong-growing plant, bearing an abundance of well-shaped delicate pink flowers. A very satisfactory sort which has been largely planted.

GEORGE DICKSON—It is one of the best dark roses in existence. The blooms are as nearly perfect as those of any rose, large, full and fragrant. The color is deep velvety crimson, almost black on the front of the petals, while the reverse side is heavily and deeply veined with rich crimson-maroon.

GRUSS AN TEPLITZ—One of the best garden roses, giving many beautiful flowers from early June until frost kills the buds. The flowers are crimson-scarlet, bright enough to attract the attention of the observer, but not vivid enough to throw other sorts into the background.

HIS MAJESTY—A magnificent new rose of wonderful growth and hardiness. Produces blooms of immense size on fine long canes. Color, dark crimson, shaded deep vermillion towards the edges.

HUGH DICKSON—Intense crimson, shaded scarlet; very large; full and magnificent form, with high pointed center. Delightful perfume. A gold medal rose.

MARSHALL P. WILDER—Bright cherry carmine, very fragrant; one of the finest bloomers.

MRS. JOHN LAING—Extremely large blooms of soft pink. Long buds; cup-shaped, fragrant flowers. Strong grower, free bloomer. A very popular rose.

PAUL NEYRON—The largest rose in existence, frequently reaching 6 inches in diameter. The color is clear pink, shading to soft rose; has a delightful fragrance. The plant is a strong, heavy grower and blooms several times during the season.

PRINCE CAMILLE DE ROHAN—One of the darkest colored roses; very dark velvety crimson, changing to intense maroon. A very prolific bloomer, and flowers are of excellent form and size.

URICH BRUNNER—Extra-large flowers of light red, bordering on scarlet or crimson—a shade of red distinctly its own. The flowers are borne in profusion on long stems. A very vigorous grower. A variety of standard excellence.

HARDY EVERBLOOMING HYBRID TEA ROSES

Two Year Old. Each, 60c; except where quoted; add postage.

Cream and White

FRAU KARL DRUSCHKI—The white American Beauty. Makes splendid buds and immense flowers.

DUCHESS OF WELLINGTON—Intense saffron-yellow stained with rich crimson. Very large and fine form. Beautiful in bud as well as open flower.

ETOILE DE LYON—Clear, bright, golden yellow; makes beautiful buds and is very double and sweet.

KAISERIN AUGUSTA VICTORIA—Pure white, does not pink when planted out; splendid large buds and superb, full, double blooms. A most sturdy grower, blooming steadily from early spring until late frost. Each, 75c.

VISCOUNTESS FOLKTONE—Creamy-white, deep salmon-pink center; large, full; produced in great profusion and opening freely.

WHITE LA FRANCE—Large and finely formed buds and blossoms having broad petals of silvery white with very delicate pink shadings. A fragrant, free and continuous bloomer.

Crimson and Red

EDWARD MAWLEY—One of the finest roses known. The buds are deep purplish crimson, opening to extra-large, perfectly formed blooms of dark blackish crimson.

ETOILE DE FRANCE—Intensely brilliant crimson. A very free bloomer and a most excellent rose.

HOOSIER BEAUTY—A large, full flower with well shaped buds; color is an exceptionally attractive glowing, velvet crimson. Each, \$1.00.

LADY BATTERSEA—Lovely wine-red; very long pointed buds and large, full and double blooms.

RICHMOND—Originated by an experienced American grower. The blooms are very large and full. The color is a beautiful scarlet-crimson. For several years Richmond has been considered one of the best roses of American origin, and it well merits this distinction.

Pink Shades

KILLARNEY BRILLIANT—The introducers describe it in these glowing words: "An improvement on the original Pink Killarney, because of its more brilliant color, which is almost crimson in bright weather. One of the best of the recent originations and very popular."

LA FRANCE—This was the very first Hybrid Tea Rose. The flowers are large and have a beautiful globular shape. In color a bright pink on outside of petals, and a lovely silvery pink on the inside. The leather-like foliage is deep beech green in color, contrasting nicely with the handsome blooms.

MADAME ABEL CHATENAY—A good grower and perpetual bloomer; large and beautiful in bud and bloom. Deep rose pink.

MME. CAROLINE TESTOUT—A grand rose, with large full flowers and handsome buds; rich pink. The hardiest of the Teas.

OPHELIA—Brilliant, salmon-shaded with rose on outer edges of petals with a heart of glowing peach-pink and orange-yellow blendings; handsome bright foliage, immune to mildew. Each, 85c.

Yellow

BETTY—One of the points of excellence that recommends Betty is its long blooming period—from June until frost. The blooms are extra large in size, full and globular in form, with a delightful fragrance. The color is a coppery rose overspread with golden yellow. Very good autumn bloomer.

MABEL DREW—Sturdy, erect growing, with large, full perfectly formed flowers. Creamy yellow buds passing to intense canary yellow as the flower expands.

MADAME JENNY GILLEMOT—Rich amber yellow, deepening in the center to orange and copper color, delicately tinged with crimson. Fine long pointed buds and large full flowers.

MRS. AARON WARD—One of the most beautiful roses of recent years in a color that catches the eye at once. A deep golden orange shading to lemon or creamy yellow at the edge of the petals. Each, \$1.00.

SUNBURST—The introducer of this wonderful rose describes it in these words: "Sunburst is a vigorous grower of robust constitution, with erect or slightly spreading habit and few thorns; fine reddish green bronzed foliage. The buds are long and generally borne on long stout stems; the flowers are large, full, and of fine elongated, cupped form. The color is a superb cadmium-yellow passing to yellow-orange in the center." Each, 75c.

NEW EVERBLOOMING ROSES

Two Year Old. Each, \$1.00; except where quoted; add postage.

COLUMBIA—A splendid, large fully double rose of very lasting qualities. It is a strong, almost thornless, and the brilliant rose-pink flowers are most attractive.

DUCHESS OF WELLINGTON—Intense saffron-yellow stained with rich crimson. Very large and fine form. Beautiful in bud as well as open flower.

GORGEOUS—Flowers are large and full. Deep orange yellow and heavily vined with reddish copper, the most charming and gorgeous colorings that has yet been produced. Each, \$1.25.

JOSEPH HILL—Splendidly formed flowers of large size and great beauty. The color is deep saffron-yellow on the inside of the broad petals and coppery yellow on the outside.

LADY HILLINGDON—Deep apricot yellow; long and pointed buds. Excellent for cutting.

LOS ANGELES—One of the finest roses ever introduced. In color a luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals.

LUDWIG MOLLER—This is the wonderful yellow Druschki, having all the good qualities of that rose. Vigorous grower, free bloomer and has deep, golden-yellow flowers.

MADAME BUTTERFLY—The buds are a lovely shade of Indian red, yellow at the base, unique for corsage and low table decorations; the opening flowers are perfect in form and texture, clear and brilliant in color and of delicious fragrance.

MISS LOLITA ARMOUR—Bud medium; flowers large, cupped, double borne, several together, on long stems; very fragrant. Color, chrome-yellow at base, shading copper; reverse of petals with brilliant copper suffusion. Growth vigorous, bushy, upright.

MRS. HENRY WINNETT—The finest of all red or crimson varieties. The buds are long and well formed. A superb red rose.

OLD GOLD—Vivid reddish-orange, with coppery-red and apricot shadings; strong, mildew-proof and free.

WILLOWMERE—Carmine-coral red bud, opening rich, shrimp-pink, shaded yellow in the center and toning to carmine-pink at the petal edge. A very beautiful rose.

HARDY CLIMBING ROSES

Each, 50c; Add Postage.

(Except where noted add postage.)

AMERICAN PILLAR—Flowers three or four inches across, of pleasing apple-blossom pink, with clear white eye and cluster of yellow stamens.

CLIMBING AMERICAN BEAUTY—Heavy strong grower; hardy everywhere. Color rich red passing to crimson. Very popular. Each, 75c.

CLIMBING GRUSS AN TEPLITZ—A perfect sheet of crimson when in bloom. It's the same as the Bush Teplitz. Each, 75c.

CRIMSON RAMBLER—One of the best Roses known today. Hardy as oak; withstands every climate; grows rapidly and blooms all season long. Double deep crimson flowers borne in large clusters. A plant under favorable conditions grows to a great height the first season.

DOROTHY PERKINS—Beautiful shell-pink color, which holds for a long time, fading finally to a lovely deep rose. Free of mildew.

DR. W. VAN FLEET—Large, fully double flowers of a dainty flesh pink with rosy center. Flowers are of perfect form with reflex petals and are carried on long stems suitable for cutting. Each, 75c.

EXCELSA—Red Dorothy Perkins. Intense crimson-scarlet; double flowers in brilliant clusters set in glossy shining foliage which never mildews or spots.

FLOWER OF FAIRFIELD—Brilliant crimson, base of petals white—a splendid grower and a great improvement over the old type.

PAUL'S SCARLET CLIMBER—Vivid scarlet, shaded crimson; makes a brilliant display for a long period of time. Each, 60c.

TAUSENDSCHON—Mult. Differs from every other rose because the large clusters of flowers vary in color from pink to white, the buds on first opening being a light cherry-pink, changing when fully open to delightful rosy carmine, fading white. Well merits the name "Thousand Beauties." Strong, vigorous grower. Each, 75c.

WHITE DOROTHY PERKINS—A sport from Dorothy Perkins, possessing all the fine qualities of that grand variety; but having pure white flowers.

YELLOW RAMBLER—Pure, bright yellow, same type and growth as Crimson Rambler.

FLOWERING SHRUBS

ALMOND—Spring flowering shrubs, gaily in full bloom before the leaves appear. Their growth is dwarf, bushy and compact; slender branched; when in bloom completely hidden by beautiful, double flowers of rose or white, snuggling tight to the twigs. Double white and Double Pink, 2 to 3 feet, \$1.00; add postage.

BARBERRY—BERBERIS

A valuable group of low growing shrubs, admired for their early yellow flowers, good foliage, and brilliant fruit that clings along the leaves and branches at a time when few other shrubs are attractive.

COMMON—Sturdy, erect-growing shrub, with grooved, spiny branches and light green, prickly leaves; golden yellow flowers in spring, followed by bright scarlet fruits in autumn, which persist through the winter. Two to three feet, each, 50c; 3 to 4 feet, each 75c.

THUNBERG'S JAPANESE—Hardy, dense low-growing shrub, with spreading, deeply grooved, thorny branches and small, bright green, oval leaves that turn to brilliant shades of orange and yellow in autumn; the large, bright red berries remain on the bushes throughout the winter. Each, 25c, 35c, 50c, 75c.

PURPLE—A showy and effective shrub with purple leaves; yellow flowers in May; reddish purple berries in autumn, which persist nearly all winter. Each, 75c, \$1.00; add postage.

CRANBERRY—HIGH BUSH

Handsome, dense, brilliant green foliage, a rich setting for large bunches of crimson berries which enliven the late summer and persist on bare branches into the winter. Two to 3 feet, each, 50c; 3 to 4 feet, each, 75c; 4 to 5 feet, each, \$1.00, \$1.25, \$1.50; add postage.

DEUTZIAS

An ornamental shrub that is grown because of its profusion of showy white flowers in spring or early summer. A thinning out of the old wood soon after the flowering season will be of advantage, but this should be done with caution for the greatest bloom is obtained from plants that have had a minimum of pruning. Very effective for borders of shrubberies.

GRACILIS (Dwarf)—Slender, low-growing shrub, with branches usually arching and having bright green leaves which are slightly rough on the upper surface; flowers pure white, in long, graceful racemes, 8 to 12 inches. Each, 50c; 12 to 18 inches, each, 75c.

LEMOINES—Small, spreading shrub that is vigorous in growth and produces large white flowers. Very effective for border planting, 12 to 18 inches, each, 50c; 18 to 24 inches, each, 75c.

PRIDE OF ROCHESTER—A distinct and vigorous-growing variety that comes into bloom early and delights the eye with its large, double, white flowers which are tinged with pink in the bud, 2 to 3 feet, each, 50c; 3 to 4 feet, each, 75c; add postage.

FORSYTHIAS

One of the first plants to flower in early spring, blooming before the leaf buds burst on other plants in exquisite splendor and brilliancy. They thrive in almost any fertile soil, but should be planted where they will receive the benefit of the early spring sunshine.

FORTUNEI—Bark bright yellow; blooms in dense masses of golden flowers in early spring.

INTERMEDIA—Flowers bright golden; foliage glossy green like *Viridissima*, but hardier than that variety.

SUSPENS (Weeping Forsythia)—A very useful shrub with a wealth of slender, vine-like, drooping branches, and profusion of golden bell-like blooms. All varieties of Forsythias. Two to 3 feet, each, 50c; 3 to 4 feet, each, 75c; 4 to 5 feet, each, \$1.00; add postage.

HYDRANGEA

A well known and favorite class of shrubs, including some of the most showy flowering plants that are found in cultivation. They grow easily, have no insect enemies and are all of them hardy in the Pacific Northwest. One of their best features is that they bloom profusely from July to September, when flowers are comparatively scarce.

HILLS OF SNOW or **Snowball Hydrangea**—One of the most showy of the Hydrangeas, with its profusion of snow-white clusters of flowers decorating the plant most of the summer similar to the well known snowball in appearance. Very showy. Each, 50c, 75c, \$1.00.

OAK LEAVED—A rare and distinct variety, with large, deeply lobed, green leaves, white and downy on under side. Large panicles of creamy white flowers, with numerous white, or pinkish white rays. Takes on most brilliant autumnal colorings. Each, \$1.50.

PANICULATA GRANDIFLORA, LARGE FLOWERED—A grand plant, showy and attractive, remaining in bloom for a month. Flowers are pure white, afterward changing to pink, and are borne in immense clusters, beginning in July and holding them until October. Will bloom same season planted. Remember that they should be pruned back heavily in the early spring before growth starts, to two or three buds as they form their flowers in panicles on the end of the season's growth. 18-inch, 60c; 24-inch, 75c; 30-inch, \$1.00; add postage.

LILAC

Without a doubt among the most popular of the early spring bloomers. Their bright green foliage and large, showy, fragrant panicles of flowers contribute brightness and perfume to the landscape.

PURPLE—Hardy and vigorous, blooming profusely even under adverse conditions; flowers light purple, fragrant, and borne in good-sized clusters in May. Two to 3 feet, each 40c; 3 to 4 feet, each, 60c; 4 to 5 feet, each, 75c, \$1.00.

WHITE—The well-known, old-fashioned pure white variety with fragrant flowers and luxuriant foliage. Three to 4 feet, each, 50c, 75c; 4 to 5 feet, each, 75c, 1.00; add postage.

QUINCE FLOWERING

QUINCE JAPAN OR FLOWERING (*Cydonia Japonica*)—Low spreading shrub, the branches of which are armed with formidable thorns. In early spring the branches are hidden by the wealth of dazzling scarlet flowers. The quince-shaped fruits are quite fragrant. 12 to 18 inch, 50c; 18 to 24 inch, 75c; 2 to 3 feet, \$1.00; add postage.

SNOWBALLS

Hardy, upright, mostly rather large shrubs of good, compact habit, neat foliage, white flowers in showy clusters. The bloom is very profuse and the flowerheads of large size. Fine for planting along shrubbery or roads; some species will make a showy appearance if planted alone on the lawn.

COMMON—The old-fashioned favorite with large, globular clusters of white sterile flowers blooming the latter part of May. Very useful for specimens or for planting in groups. Two feet, 50c; 3 feet, 75c, \$1.00.

DOUBLE JAPANESE (*Pilcatum*)—One of the most charming hardy flowering shrubs in existence; bears great wreaths and clusters of pure white globular masses of flowers like real balls of snow; covered with bloom for weeks in the spring. Grows 4 to 6 feet high; entirely hardy, needs no protection; splendid for dooryard, lawn and cemetery planting. Two feet, each, 75c.

SINGLE JAPANESE (*Tomentosum*)—Rather tall, vigorous grower, with spreading branches, rich olive-green foliage, bronze-margined; flowers white, in flat-topped clusters; berries red, changing to bluish black. Two feet, each, 75c; add postage.

SPIREAS

A group of low or medium-sized deciduous ornamental shrubs that distribute their white or pink blossoms over practically the whole season, some varieties blooming in very early spring others in midsummer, and yet others in autumn. Their habit of growth is exceedingly graceful, and the bloom is so profuse as almost to hide the leaves.

Anthony Waterer—Covered nearly the whole growing season with large umbels of deep crimson flowers, which measure nearly a foot across. Ten to 12 inches, 50c; 12 to 18 inches, 75c; 18 to 24 inches, \$1.00.

PRUNIFOLIA (Bridal Wreath) — Slender erect-growing variety having beautifully colored foliage and bearing very early in the spring small double white flowers the entire length of its branches. Very graceful habit. Two feet, 60c; three feet, 75c.

THUNBERGI—Low-growing of compact form, with delicate light green foliage which colors up beautifully in the fall. Small white flowers in great profusion, early in the spring. 18 inches, 50c; two feet, 75c.

VAN HOUTTEI — The grandest of all the Spireas. It is a beautiful ornament for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer. Two to 3 feet, each, 50c; 3 to 4 feet, each, 60c; 4 to 5 feet, each, 75c, \$1.00; add postage.

SYRINGA OR MOCK ORANGE

Hardy, fragrant, flowering shrubs that add great beauty and perfume to gardens and homes. Strong, large plants that will flower the first season.

AVALANCHE—Large fragrant flowers on slender branches which arch gracefully to the ground. 18 to 24 inch, each, 50c; 2 to 3 feet, each, 75c.

GORDONIANUS—Very late bloomer, valuable for this quality, a large, fragrant white flower. Two to 3 feet, each, 50c; 3 to 4 feet, each, 75c; 4 to 5 feet, each, \$1.00.

GRANDIFLORUS — Good large flowered, strong growing sort that is very desirable. Two to 3 feet, 50c; 3 to 4 feet, 75c; 4 to 5 feet, \$1.00; add postage.

WEIGELIAS

A valuable genus from Japan; spreading and drooping shrubs, producing beautiful trumpet-shaped flowers of many colors from pure white to red in great abundance, from late spring to early summer.

CANDIDA (White)—Hardy variety, vigorous and fine in habit. Long tubular white flowers produced from June on throughout the summer. 2 to 3 feet, each, 50c; 3 to 4 feet, each, 75c.

EVA RATHKE—A free flowering bright red variety of rather dwarf habit. 2 feet each, 75c; 3 feet, each, \$1.00.

ROSEA—The old standard, strong growing, pink flowered variety. 2 to 3 feet, each, 50c; 3 to 4 feet, each, 75c.

ROSEA VARIEGATA (Variegated)—A near dwarf shrub, valuable for the clearly defined variegation in its leaves of green, yellow and pink. Effective and useful, being one of the best variegated leaved shrubs known. Flowers light pink and blush. 2 feet, each, 50c; 3 feet, each, 75c; add postage.

FRUIT

BLACKBERRIES—BUSH

Two year old: Each, 25c; doz., \$2.25; 50, \$6.50; 100, \$12.00; add postage.

BLOWER — Fruit large, jet black, good shipper, hardy, productive and of finest quality.

EARLY HARVEST—Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower, enormous bearer. Fruit medium size, black, of excellent quality.

LAWTON — The favorite market variety; large, good quality, uniform, hangs long on vine when ripe, productive and profitable.

BLACKBERRIES—VINING

Price: Two year old: Each, 25c; doz., \$2.25; 50, \$6.50; 100, \$12.00; add postage.

BURBANK THORNLESS—This, as its name implies, is a creation of Luther Burbank and is highly recommended on account of it being a heavy yielder of very fine quality, with the added advantage of its being thornless.

HIMALAYA GIANT — A strong, rampant, trailing plant; very productive. Hardy, and thrives even under severe conditions. Fruit large, handsome and fine quality.

NEW MAMMOTH—No longer a novelty, but a proven success; the best family and market variety known. Strong grower of trailing habit, enormously productive; very early, fruit enormous, core soft and small, seeds small, flavor unsurpassed. Add postage.

DEWBERRIES

The best and most dependable of all dewberries. Large, yet black and fine flavor. Price each, 20c; doz., \$2.00; 50, \$5.50; 100, \$10.00; add postage.

GOOSEBERRIES

One year old, each, 25c; doz., \$2.00. 2 year old, each, 35c; doz., \$3.00; add postage.

OREGON CHAMPION—Berries very large, pale green; sweet, fine, bush strong, prolific bearer. This is the standard commercial sort for our section and is best for home use.

RED JACKET (Josselyn) — Large, smooth, prolific and hardy; best quality.

Owing to an embargo on Gooseberries we cannot ship out of Washington.

LOGANBERRIES

Two year old, each, 25c; doz., \$2.50; add postage.

RASPBERRIES—BLACK

Two year transplants. Each, 20c; doz., \$2.10; 50, \$6.50; 100, \$12.00; add postage.

CUMBERLAND—A healthy, vigorous grower, throwing up stout, stocky well branched canes that produce immense crops of magnificent berries. Fruit very large, firm, keeps and ships as well as any of the blacks. The most profitable market variety. Mid-season.

GREGG—For many years the leading standard best known market sort. Very productive, large size, firm, meaty berries, covered with heavy bloom.

KANSAS—Strong, vigorous grower, standing extremes of drouth and cold, and bearing immense crops. Early. Berries large; jet black, firm; of best quality; presents a handsome appearance.

PLUM FARMER—A few days later than Kansas; maturing the entire crop in a very short period, making one of the most profitable market sorts. The berries are thick-meated and firm. Berry large and very attractive when picked.

RASPBERRIES—PURPLE

COLUMBIAN — Very large, purplish color, rather soft; rich, sprightly flavor unrivalled for canning, making jam, jelly, etc.; wonderful vigor and productiveness. Unlike other raspberries, this variety does not send out any suckers. Two year old transplants. Each, 25c; doz., \$2.00; add postage.

RASPBERRIES—RED

Each, 15c; doz., \$1.00; 50, \$3.75; 100, \$7.00; add postage.

CUTHBERT ("Queen of the Market")—Berries very large, conical, rich crimson, very handsome and so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious. The leading market variety for main crop.

KING—Plant a strong grower, very hardy and productive. Berry is firm, a good shipper; large size; beautiful bright scarlet color; ripens with the earliest.

MARLBORO—Large size, light crimson color; good quality and firm. Vigorous, hardy and productive. The best well tested, large early berry for the north.

ST. REGIS (Everbearing)—A genuine practical, profitable, continuous-to-fall bearing red raspberry. Fruit commences to ripen with the earliest and continues on young canes until October. Berries bright crimson, large size, rich, sugary, with full raspberry flavor. Flesh firm and meaty, a good shipper. This variety: Each, 20c; doz., \$1.50; 50, \$4.50; 100, \$8.00; add postage.

CURRENTS

One-year-old, each, 25c; doz., \$2.00; 50, \$8.00; 100, \$15.00; add postage.

Two-year-old, each, 35c; doz., \$3.00; 50, \$11.00; 100, \$20.00; add postage.

Red

CHERRY—Very large; deep red; fine for preserving; valuable market variety.

FAY—The leading market variety. Extra large stems and berries, uniform in size, easily picked, exceedingly productive.

PERFECTION—Beautiful bright red, largest size, fine bunches on long stems, permitting easy picking, without crushing. Quality rich, mild, sub-acid, with plenty of pulp and few seeds. Very productive, vigorous and hardy.

White

GRAPE—Very large; yellowish white; very mild acid; excellent quality and valuable for the table.

Under our present state law we are not allowed to ship currants out of the state of Washington on account of an embargo.

GRAPES

Black

CONCORD—Very extensively planted. Bunch and berries medium size; black, fair quality, good keeper. Vine hardy, healthy and productive.

One year old roots. Each, 20c; doz., \$2.00; 25, \$3.75; 50, \$6.50; 100, \$10.00; add postage.

Two year old roots. Each, 25c; doz., \$2.50; 25, \$5.00; 50, \$8.50; 100, \$15.00; add postage.

All the following varieties of Grapes one-year-old roots, each 25c; doz., \$2.50; 25, \$5.00; 50, \$8.00; 100, \$15.00; add postage.

Two-year-old roots, each, 35c; doz., \$3.50; 25, \$7.00; 50, \$12.50; 100, \$22.50; add postage.

MOORE'S EARLY—Bunch large; fruit large; round, black, with heavy bloom. Best early variety, hardy and productive.

WORDEN—An improved Concord, and next to it in popularity. Earlier, better quality and larger than Concord, equally hardy and healthy, but not as good a shipper. Best black grape for home use and nearby markets.

Green

MOORE'S DIAMOND—Bunches large; berry greenish white, flesh juicy; almost without pulp.

NIAGARA—Very hardy, strong grower; bunches large, compact. Berries large, round, light greenish white, semi-transparent. Skin tough, does not crack, quality good, melting and sweet.

Red

AGAWAM—Large berries, pulp soft and sweet, early.

DELAWARE—Bunches small, compact; berries rather small, round, thin skin, light red; flesh juicy, sweet, good.

LARGE VARIETIES—Tokay, Muscat and Malaga.

APPLES

SUMMER VARIETIES

Two and 3-year-old: Each, \$1.00; doz., \$10.00.

One year old, 5 feet: Each, 75c; doz., \$7.00.

One year old, 4 feet: Each, 65c; doz., \$6.00.

One year old, 3 feet: Each, 50c; doz., \$5.00.

Write for price on 50 and 100 lots.

EARLY HARVEST—Medium, pale yellow, tender, juicy.

RED ASTRACHAN—Large, beautiful deep crimson. The favorite, delightful, earliest eating apple.

YELLOW TRANSPARENT—Earliest and best; white, tender, juicy, sprightly, sub-acid. Grows rapidly, bears young and makes a profitable "filler."

RED JUNE—A brilliant red variety. Its distinct flavor has made it popular.

FALL VARIETIES

OLDENBURG—Rather large; light red streaks on yellow ground; tender and juicy; very hardy. Handsome appearance and good cooking qualities are two points in favor of this variety. Early autumn.

FALL PIPPIN—Large; rich yellow when ripe; flesh firm, juicy, aromatic; strong grower and long-lived. September.

GRAVENSTEIN—Large; yellow overlaid with red; flesh firm, juicy, sprightly subacid; productive. September to November.

MAIDEN BLUSH—Medium size; yellow with red cheek; very juicy, subacid; reliable cropper. September to December.

TWENTY OUNCE—Very large; yellow striped red.

SNOW (Fameuse)—Medium size; bright red deepening to almost purplish black in highly colored specimens; flesh white, juicy, aromatic; heavy yielder. October.

WINTER VARIETIES

BANANA—Large and showy; yellow, with pinkish red blush; flesh tender, heavy bearer.

BELLFLOWER (Yellow)—Large; yellow, with bluish cheek; juicy and delicious.

DELICIOUS—This variety ranks very high either for commercial or home orchards. Large; brilliant dark red; flesh fine grained, crisp, juicy with a delightful aroma; splendid keeper and shipper, heavy bearer.

JONATHAN—Red and yellow, tender, juicy and rich. Very productive; one of the best for table and market. Extensively planted, doing well even on comparatively low lands.

NEWTOWN PIPPIN—Yellow Newtown or Albemarle Pippin. One of the best quality apples, favorite in European markets where it brings fancy prices. Greenish yellow, large, juicy, crisp and aromatic. One of the best keepers and shippers. Moderate growth, good, regular bearer. Very profitable and extensively planted.

NORTHERN SPY—Striped red, large, sub-acid, tender, and juicy. Best desert apple known. Tree hardy and vigorous.

RHODE ISLAND GREENING—Large greenish yellow; flesh tender; rich subacid; bears regularly and abundantly.

ROME BEAUTY—Dark red striped, large, excellent quality; a market favorite, bringing good prices. Tree hardy, regular bearer, late bloomer.

WAGENER—Medium to rather large; beautiful bright red; flesh firm, subacid, well-flavored; annually productive.

WEALTHY—Medium to large; deep red, attractively marked; flesh white and juicy. Good bearer.

STAYMAN WINESAP—Medium size; yellow ground covered with red; flesh fine, crisp, and high-flavored; reliable and heavy cropper.

All apples same price. See quotations Summer Varieties.

APPLES—CRAB

HYSLOP—Large, deep crimson; one of the most beautiful; very popular. October to January.

TRANSCENDENT — Largest of the crabs; striped red, showy, excellent and very handsome. Hardy and strong grower.

SIBERIAN, RED — Small, bright red, covered with light bloom; fine flavor, excellent for preserving. Ripens September.

SIBERIAN, YELLOW — Large, beautiful, golden yellow. September and October. Same price as apples.

APRICOTS

One year, 3 to 4 feet: Each, 60c; doz., \$6.50.
First grade, 4 to 5 feet: Each, 75c; doz., \$7.50.
Two and 3 year old: Each, \$1.00 to \$2.00.

J. L. BUDD—A strong, profuse bearer; large white and red fruit. Sweet and juicy. A desirable Russian variety. Very hardy and productive. Ripens in July.

MOORPARK—Very large; orange with reddish cheek; flesh orange, sweet, juicy, with fine flavor; very valuable. The best and most extensively planted apricot. Ripens early August.

ROYAL—Medium size, oval, sweet yellow, tree productive; excellent drying and canning variety. Ripens in July.

TILTON—Large, flesh firm, yellow, decidedly freestone. Tree vigorous, regular and heavy bearer.

CHERRIES—SOUR

Two and 3 year old selected. Each \$1.50.
One-year-old, 4 feet. Each, \$1.25.
One-year-old, 3 feet. Each, 85c.

EARLY RICHMOND—Medium, dark red, melting, juicy, sprightly, rich acid, best. June.

LATE DUKE—Large, light red, delicious fruits. Tree strong and upright, exceedingly productive. July.

MAY DUKE—Large, red, juicy, rich. June. Not so sour as some varieties, and very pleasant for sensitive teeth.

MONTMORENCY—Large, red, acid, exceedingly productive. Late June.

CHERRIES—SWEET

Two and 3-year old selected. Each, \$1.50 to \$3.00.

One year old, 5 feet: Each, \$1.25; doz., \$12.50.

One year old, 4 feet: Each, \$1.00; doz., \$10.00.

One year old, 3 feet: Each, 85c; doz., \$9.00.

BING—Very large; dark brown almost black; flesh firm, rich and delicious. Immense size; good shipper.

LAMBERT—Large size and fine quality; deep, rich red, almost black; flesh firm and flavor unsurpassed. Best shipping variety; regular and heavy bearer. Ripens late July, two weeks after Royal Ann.

ROYAL ANN—One of the best known cherries. Very large, firm, rich red and white; good for table, canning and shipping, and the best of all the red varieties.

TARTARIAN—Very large; black; tender. One of the most popular varieties.

PEACHES

Two-year-old. Each, \$1.00.

One-year-old, 4 to 5 feet: Each, 75c; doz., \$7.00..

One-year-old, 3 to 4 feet: Each, 50c; doz., \$5.50.

ALEXANDER — Medium, greenish white, nearly covered with rich red; melting, juicy, sweet. July.

ARP BEAUTY—Skin yellow and red, firm yellow, juicy flesh; excellent flavor; best early variety for family use; semi-freestone.

CHAMPION—Creamy white, splashed with carmine, with a blush of darker red; very juicy, sweet and tender; tree vigorous and very productive; has stood 18 degrees below zero and produced a full crop the following summer.

CRAWFORDS EARLY—A magnificent, large yellow peach of excellent quality. Its size, beauty and productiveness make it one of the most popular varieties.

ELBERTA—The great market peach. Large, handsome; orange-yellow, nearly overspread with red, much mottled; flesh yellow, firm but tender, mildly subacid.

J. H. HALE—Recently introduced, recognized as one of the finest market peaches; large size, fine quality, red cheek, yellow meated freestone, ripening with Elberta but a better tree and more productive.

TRIUMPH — Earliest yellow fleshed peach. Sure and abundant bearer; strong, vigorous grower. Fruit good sized; yellow with crimson cheek.

PEARS

Two and 3 year old. Each, \$1.00 to \$2.00.

One-year-old, 5 feet. Each, \$1.00; doz., \$10.00.

One-year-old, 4 feet. Each, 75c; doz., \$7.50.

One-year-old, 3 feet. Each, 65c; doz., \$6.50.

Write for prices on 50 and 100 lots.

BARTLETT—Large, buttery, juicy, high-flavored, great bearer. This sort has long been considered one of the choicest canning varieties, as well as a favorite for all other uses. August.

CLAPP'S FAVORITE—Very large; yellowish green to full yellow, marbled with dull red in the sun and covered with small russet specks; vinous, melting and rich.

FLEMISH BEAUTY—Large, surface slightly rough; greenish yellow and brown; flesh juicy, melting, very rich and sweet; tree hardy, producing good crops annually.

SECKEL—Small, but handsome and delicious; yellowish russet with a red cheek; flesh whitish, buttery, very juicy and melting; tree makes somewhat slow but stout and erect growth. Probably the richest and highest-flavored pear known.

PLUMS

Two or 3 year old selected. Each, 1.00 to \$2.00.

One-year-old, 5 feet, \$1.00; doz., \$10.00.

One-year-old, 4 feet, 75c; doz., \$7.75.

One-year-old, 3 feet, 65c; doz., \$6.50.

BURBANK — A favorite Japanese Plum. ripening in August. Large, round, mottled red and yellow; productive and profitable. Tree hardy and vigorous.

BRADSHAW—Very large, oval; dark violet red; juicy, sweet and good. A valuable market variety. August-September.

DAMSON—Small, roundish oval; dark purple; favorite for preserves. September.

PEACH — Large, roundish; brownish red; coarse grained, but juicy, pleasant, sprightly flavor. Freestone. Ripens July. Ranks first in popularity.

YELLOW EGG—A very large and beautiful egg-shaped plum; a little coarse, but excellent for cooking. Late October. Free grower, productive and hardy.

PRUNES

Two and 3 year old. Each, \$1.00 to \$2.00.

One-year-old, 6 feet. Each, 75c; doz., \$7.75.

One-year-old, 4 feet. Each, 65c; doz., \$6.50.

One-year-old, 3 feet. Each, 50c; doz., \$4.50.

Write for price on 50 and 100 lots.

ITALIAN—Good size, purple, juicy, delicious, best for drying; separates freely from the stone.

FRENCH OR PETITE — The well-known California favorite for drying. Medium to small, egg-shaped; violet purple; juicy, very sweet, rich and sugary. Prolific, heavy bearer.

HUNGARIAN—Very large, dark red, juicy and sweet. Its large size, bright color, productiveness and shipping qualities make it a profitable variety for home or distant markets.

SUGAR, NEW—Fruit ripens 28 days before the French; is four times as large and dries in half the time; flesh tender and rich in sugar; color dark purple. Early, August.

QUINCES

Two-year-old, 3 to 4 feet: Each, \$1.00; doz., \$10.00.

CHAMPION—A prolific, constant and early bearer, oval fruit averaging larger than the Orange, quality equally fine, and a long keeper; ripens late.

ORANGE—Fruit large, bright yellow, of excellent flavor. October.

When your order is to be forwarded by mail add 10c for postage for the first root and three cents for additional roots. On some orders this allowance will be too much on others not enough, but it will equalize postage. Large orders can not be forwarded by mail.

CONIFEROUS EVERGREENS

No Home Grounds are complete without them. They are beautiful in winter as well as summer; in winter they supply the only living green in the landscape; they make a beautiful background for any house, and give it a home-like appearance that is not to be produced by any other class of trees or shrubs.

Arbor Vitae

AMERICAN—Native, known as cedar. Foliage bright green; yellow-green underneath; brown and bronze in winter. Each \$1.50.

ORIENTAL—Fine with close ascending branches of a fan-shaped appearance. Each \$3.00.

PYRAMID ARBORVITAE — Bright green leaves above and dark glossy green leaves beneath. An excellent tree where pyramid forms are desired. 2 to 2½ feet. Each \$3.00.

Cedar

DEODAR or INDIAN CEDAR—Very handsome; branches drooping; foliage silvery green. Very popular. Vigorous grower. Each \$2.50.

BLUE VIRGINIA CEDAR—Compact upright grower; foliage silvery blue. Each \$3.00.

RED CEDAR—Native with striking form and beautiful color. Each \$2.50.

Cypress

ALUMNI—Handsome pyramid shaped conifer. Foliage greenish-blue. Each \$3.00.

TRIUMPH OF BOSKOOP—Spreading habit; strong grower; one of the bluest conifers in cultivation. Each \$3.00.

CYPRESS LAWSON'S—Graceful and conspicuous; branches horizontal, slightly pendulous, foliage dark green. Each \$1.50 to \$5.00.

Italian—Bright green. Very compact in growth, nothing finer in the upright type of trees. 2 to 3 feet, each \$2.50; 3 to 4 feet, each \$3.00.

Hemlock

WESTERN—Very beautiful and appealing; branches pendant and foliage deep green. Each \$3.50.

Fir

NORMAN'S—Lustrous, deep green foliage; very symmetrical. One of the best. Each \$3.00.

WHITE—A fine spruce; rapid growth; very hardy. Very attractive. Each \$3.00.

Juniper

IRISH—Pyramidal in form, foliage silvery gray. Very striking. 2 to 3 feet, each \$3.00.

COMMON—Branches spreading. Fine trees. 2½ to 3 feet, \$3.00.

Juniperus

PHTZERIANA—A graceful growing variety with horizontal branches and grayish-green foliage. 2 to 3 feet, each \$3.00.

RETINOSPORA (Squarrosa)—Dense, compact. Foliage with feathery branchlets. Color light bluish green. \$3.00 each.

Spruce

NORWAY—A lofty, rapid grower; branches drooping. Fine for hedge or windbreak. 2 to 3 feet, each \$3.00.

EVERGREEN SHRUBS

Japanese Laurel

ACUBA JAPONICA—Variegated medium sized shrub, with yellow spotted leaves. Has red berries after certain age. Each \$1.50.

ACUBA JANPONICA (Green)—Same as variegated, only leaves are dark glossy green, bearing fruit which stays on all winter at age of two years. Each \$1.50.

Boxwood

Handsome hardy evergreens that are very popular for use as specimens in lawns, hedges and for tubbed plants.

PYRAMIDAL BOXWOOD—Cone shaped plant of great beauty. 2 to 2½ feet, each \$5.00; 2½ to 3½ feet, each \$6.00.

GLOBE BOXWOOD—Trimmed in shape of a globe. Each \$2.50 to \$5.00.

BOXWOODS FOR HEDGES AND BORDERS

—Write for prices on quantity desired.

Camellia

CAMELLIA—Small trees with shining waxy leaves, and beautiful waxy flowers, very much resembling a small rose. We are only able to offer these in assorted colors. 1½ feet high, each \$2.50.

CHOISYA TERNATA (Spanish Orange)—Compact free blooming bush, fragrant, white flowers. Better against a wall. \$1.00 to \$1.50 each.

Laurel

ENGLISH LAUREL—A small tree or shrub with large handsome shining foliage during the entire year. Fine for hedges or specimen plants. Each 75c to \$2.00.

Write for special price on hedges plant size.

Lonicera

NITIDA (Evergreen Bush Honeysuckle)—New evergreen shrub, slender branches with bright glossy foliage. Excellent for massing or tub plant. There is no better evergreen shrub for the price. Each \$1.00 to \$1.50. Trimmed pyramidal shape. \$2.50.

Oregon Grape

OREGON GRAPE—Official flower for the State of Oregon. Holly leaved Berberry. Fine for shady places. Each \$1.00.

Privet

CALIFORNIA PRIVIT—Our best plant for hedges. Plant in double row 2 feet apart, 6 inches between plants, and takes 2 plants to the foot. 18 to 24 in., 10 plants \$1.00, per 100 \$7.50; 24 to 30 in., 10 plants \$1.25, per 100 \$10.00.

GOLDEN PRIVIT—Beautiful variegated shrub used to plant in among evergreens. Gives wonderful effect. 1½ feet, \$1.00 each.

Veronicas

Shrubs of compact growth forming well rounded specimens which can be used singly or in groups. Fine to use as borders or to place in front of taller growing species. Does well in shade, and as well in sun. Becoming more popular every year.

V. BUXIFOLIA (Box Leaved Veronica)—A small shrub of upright growth, very compact. Small foliage with pure white flowers. Each 75c to \$1.25.

V. CYPRESSVIDES—Globular shaped with numerous slender branches clothed with scale-like leaves which give it the appearance of cypress. Valuable in the shrubbery border. Each 75c to \$1.50.

V. TRAVERSI—Upright growing variety. One of the hardiest. Bears white flowers during early summer. Each \$1.00 to \$1.50.

DECIDUOUS ORNAMENTAL TREES

As ornamental subjects, trees take first place, as they are permanent, easy to cultivate and care for. In all landscaping, the trees are the most permanent and important element, furnishing masses of foliage which frame and divide and partly constitute the views and landscape pictures, affording shade and shelter, varying the sky-line, screening or blocking out unsightly objects and enhancing the beauty of buildings.

Mere architecture, however imposing, will not make a city street attractive unless softened by the foliage and branches of trees. They shelter the home from excessive heat and dust, add charm to the finest buildings and hide the untidy and unsightly places. There is nothing that adorns city streets more than fine shade trees, especially when planted in long lines of the same variety. The effect is much better when only one kind of a tree is planted on the same street, or, at least, on the same block.

Ash

AMERICAN WHITE—Broad, round head and dense foliage. Very fine. Each \$1.00.

Birch

EUROPEAN WHITE—Silvery white bark and slender drooping branches. Each \$1.00 to \$2.50.

CUT LEAF—Four to six feet. Each \$3.00.

Catalpa

Splendid trees, white flowers, bright foliage.

CATALPA WESTERN—Very rapid grower; fine as a quick shade. 7 to 8 feet, each \$1.50.

CATALPA BUNGEI—Dwarf dense rounded headed variety, much in outline like the Popular Bay Trees, but is hardy and better adapted for the garden. 6 to 8 feet, each \$3.00.

Dogwood

WHITE FLOWERING—Flowers white, 3 inches in diameter, blooming before leaves come in spring. Price, 4 to 5 ft., each \$1.50; 10, \$12.00.

Elm

AMERICAN WHITE—A magnificent tree with drooping branches. 7 to 8 ft., each \$1.50, 10, \$15.00.

ENGLISH ELM—A rapid grower, standing erect and compact. Foliage dark green. Each \$1.50.

Hawthorne

PAUL'S DOUBLE SCARLET—A tree of fine habit; flowers bright scarlet, large, full and very double in heavy clusters on long sprays. Each \$2.50.

DOUBLE WHITE—Flowers small. Leaves lustrous green color. Each \$2.50.

Horse Chestnut

WHITE FLOWERING—Foliage showy, flowers stand in upright panicles. Each \$1.50.

Laburnum

LABARNUM—A beautiful small growing tree, with long, drooping racemes of fragrant yellow flowers. Each \$1.50.

Linden

AMERICAN—Shapely and handsome; foliage large. Each \$1.50.

EUROPEAN—Similar to American. Leaf smaller. Each \$1.50.

Locust

BLACK—Rapid grower; fine for street planting. Each \$1.50.

HONEY LOCUST—Each \$1.50.

Mulberry

NEW AMERICAN—A rapid grower, handsome; splendid as a shade tree. Each \$2.00.

Maple

OREGON SOFT—A rapid grower, fine for avenues. Leaves large. Each \$1.50.

SYCAMORE—Tree large and spreading with handsome foliage. Each \$2.00.

NORWAY—Large, growth compact; foliage deep green. Handsome. 9 to 10 feet, each \$2.00.

MAPLE—Purple Leaf Maple. Variety Norway Maple. Young leaves are deep purple. As summer advances purple changes to green. New and very good. 6 to 8 ft., \$3.00 each.

Mountain Ash

AMERICAN—Very ornamental, handsome foliage turning orange red in the fall. Red berries remain on the tree most of the winter. Each \$1.50.

EUROPEAN—White flowers, then beautiful red berries. Each \$1.50.

Oak

SCARLET—Pyramidal shape foliage changes to bright red in fall. Each \$1.50.

OAK PIN—The Pin Oak is by far the most planted of all the native oaks. Graceful in form, glossy deeply-pinnated foliage. Splendid for lawn or street. Each \$2.00.

OAK RED—Ideal for lawn or street. Each \$2.00.

Sycamore or Plane

Erect growing tree with mottled trunk. Foliage bright green. Each \$1.50.

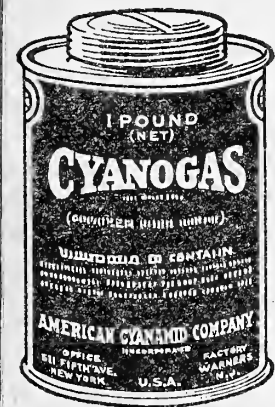
VARIEGATED BOX LEAF ELDER—The finest variegated tree of the hardy kinds, leaves almost pure white. Nothing finer for specimen planting, 4 to 6 ft. Each \$3.00.

Weeping Willow

WISCONSIN—Large glossy leaves and very pendulous habit. Each 75c to \$1.50.

AMERICAN—The well-known common weeping willow. Each \$1.50.

Cyanogas



Kills by giving off gas on exposure to the moisture in the air. This characteristic makes it easy to apply.

The residue after the gas has escaped is largely ordinary slaked lime, which is harmless to stock.

CYANOGAS—For controlling Ants, Rats, Moles, Fleas, Gophers, Sage Rats, Prairie Dogs, Ground Squirrels, Wireworms, Snails, Slugs, Grape Leaf Hopper.

ANTS—Enlarge main opening with sharpened stick to depth of six inches; pour in teaspoonful of Cyanogas.

For large nests, make holes about eight inches apart; pour in tablespoonful.

A line of ants entering the house may be stopped immediately by placing small amounts of Cyanogas at intervals along their path.

GOPHERS—Early in the morning open runways near fresh mounds; insert 2 tablespoonfuls in each opening—or

At intervals in runway, insert 4 ounces; close opening.

GROUND SQUIRRELS—With long-handled spoon insert 2 ounces in each burrow opening. Columbian Ground Squirrel—With long-handled spoon insert 1 ounce in each burrow opening. Sage Rats and other Small Squirrels—One ounce, with long-handled spoon.
1 lb., 60c; 5 lbs., \$1.50; 25 lbs., \$5.00; 100 lbs., \$18.00. Not mailable.

Fertilizers

Most soils in the Inland Empire are yet fairly new. Their native or virgin fertility is not yet exhausted. There are, however, many different types of soils, some of which do not naturally contain very large supplies of the different elements of plant food needed by crops. Such soils are likely soon to "run out" and need application of fertilizers carrying the particular elements in which they are deficient.

Write for prices on all fertilizers, stating amount wanted, as prices may change.

SULPHUR

SULPHUR ON ALFALFA AND CLOVER

Sulphur has proven its value as a fertilizer for alfalfa and clover.

SULPHUR TYPE TO USE

The best results have been obtained by the use of a sulphur reduced to a fineness of 90% through a 200 mesh. The sublimed flowers,

coarse ground or refined sulphurs are of little value as a fertilizer, as they will not oxidize in the soil fast enough to be of any value.

SULPHUR AND SOIL FERTILITY

Sulphur is one of the essential plant food elements and is as necessary for plant growth as nitrogen, phosphorus, iron or any of the other elements. This is especially true of the leguminous family (clover, alfalfa and beans), and the cruciferae family (cabbage, cauliflower and turnip).

SULPHUR AS A SOIL CONDITIONER

When sulphur is applied to heavy soils it has a tendency to loosen them up and make water penetrate more rapidly and at the same time retain moisture over a greater period. This is particularly true when lime is applied to the soil in combination with sulphur.

SULPHUR CONTROLLING PLANT DISEASES

Sulphur has a great value for the control of fungus diseases. It has been known for years that sulphur is the best remedy for the control of many diseases of plants growing above the ground, but only in recent years it has been found that sulphur will aid in controlling potato scab, scurf of sweet potatoes and other fungus diseases which are found in the ground. They can not exist in the presence of sulphur fumes.

SULPHUR MANNER OF APPLICATION

Sulphur may be applied with a land plaster spreader, fertilizer spreader or sown broadcast by hand. In any event, the mixing of the sulphur with equal parts of damp sand will lessen drifting and be less obnoxious to handle.

SULPHUR TIME OF APPLICATION

It is preferable to apply sulphur in the fall or early winter and then cultivated in the ground. However, spring applications may be made with success, but the results can not be expected the first season that would be obtained with the fall application owing to the fact that the sulphur does not have so long a time to complete its chemical activities in the soil before plant growth begins.

The foregoing statements regarding sulphur have been taken from Bulletin No. 3, September, 1924, and Bulletin No. 5, September, 1925, issued by the Western Sulphur Co. of San Francisco, California.

The following is taken from Bulletin 128, June, 1924, issued by Washington State College, Pullman, Washington.

Sulphur fertilizer can most profitably be applied to old seeding alfalfa in the spring.

Need for Sulphur. The amount of sulphur in various soils of the Palouse region varies from 250 to 975 pounds per acre of surface soil. The average amount of sulphur in cultivated soils is about 560 pounds.

It has been considered by some that sufficient sulphur is brought to the land in the rainfall to supply the needs of the crops. Studies at this station show that about five or six pounds of sulphur per acre are brought down by the average rainfall of 21 inches, while a two-ton crop of alfalfa removes about 12 pounds of sulphur per acre. This plainly indicates that the needs of this crop are not met by the sulphur in the rain.

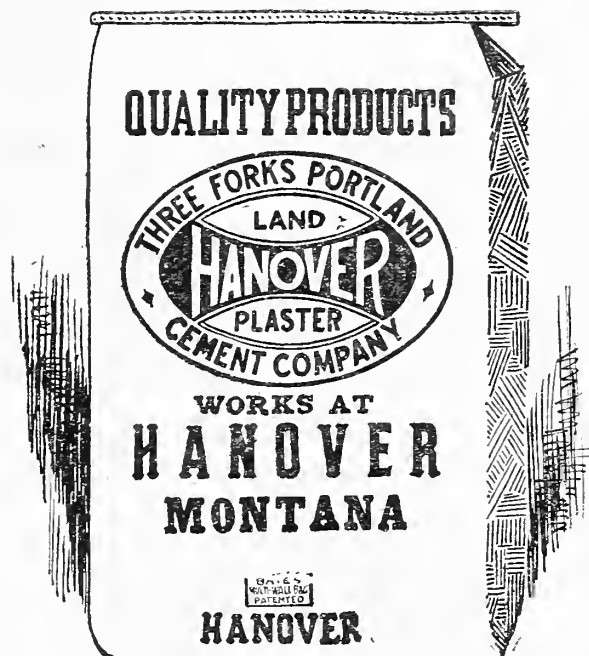
GREENHOUSE RESULTS

On the soil from the Palouse region 160 pounds of sulphur and 200 pounds of gypsum per acre caused an increase of from 12 to 15 per cent in the yield of alfalfa. However, 500 pounds of sulphur and 1,000 pounds of gypsum were accompanied by some decrease in yields. Clover on this soil showed a larger yield with both amounts of sulphur and with the 200-pound application of gypsum.

Alfalfa on soil from the vicinity of Lind produced about 85 per cent more with both applications of sulphur and 55 per cent more with both applications of gypsum. A very striking increase was obtained with clover on this soil as the amount obtained was multiplied more than four times where sulphur or gypsum were added.

Price, ton, \$3.00 per 100 lbs. Less than tons, 03.12½. Less than ½ tons, \$3.25. Price subject to change.

GYP SUM



Agricultural gypsum (land plaster) is an untreated, ground, natural rock fertilizer, consisting mainly of hydrated calcium sulphate.

Gypsum furnishes sulphur in available form and may also increase the nitrogen supply to legume crops.

HOW AND WHEN TO APPLY

For alfalfa, red clover, sweet clover, and white clover-blue grass lawns, apply gypsum as a top dressing in the early spring about the time growth begins. Alfalfa and white clover-blue grass lawns are perennial and the applications should be repeated every two or three years. Red clover and sweet clover are biennial; the seedlings get set the first year and produce the crop the second. On these, the gypsum should be applied in the early spring of the year the crop is to be mown. With all of these, where there is difficulty in getting a stand, the gypsum should also be applied when the seeds are sown.

For beans, peas and vetches it may be drilled in with the crop. The rate of application is 200 to 500 pounds to the acre.

Apply at the rate of 600 pounds to the acre when sowing the seeds or setting out the plants, in the case of turnips, radishes, potatoes and cabbage. In the case of the vines and bushes apply as a top dressing in the early spring at the same rate.

The foregoing statements on Gypsum have been taken from a booklet issued by The Gypsum Industries of Chicago, Ill.

Results—Many farmers in Eastern Washington have been making use of gypsum in connection with the growing of alfalfa. The results in many cases have been very satisfactory. In one instance where a definite record has been kept by this station, it was found that in two years a plot treated with gypsum yielded 5.83 tons alfalfa more per acre than an adjoining untreated plot. The increase over the

check plot was 2.31 tons the first year and 3.52 tons the second year. This increase was obtained by one application of gypsum at the rate of 200 pounds per acre.

A later interesting development on these plots is shown in the yields of wheat obtained after the alfalfa was turned under. In this one case nearly a half more wheat was obtained from the plot which had received the gypsum treatment several years previously. In the second year's results the yield of wheat from the treated plot was one-tenth more than the yield from the untreated plot. The second year, the wheat from the untreated plot contained nearly four times as much yellowberry as that from the treated plot.

In deciding whether to use gypsum or sulphur the relative cost is an important factor. Results have indicated that it requires about four times as much gypsum as sulphur to give equivalent increases in yield.

Ton, 85c per bag. Less than ton, 90c. Less than half ton, \$1.00.

From Bulletin No. 128, issued by Washington State College, Pullman, Washington, June, 1924.

MURIATE OF POTASH—The great importance of adding potash to some soils is well known. Ton \$3.50 per 100 lbs. Less than ton, \$3.75. Less than ½ ton, \$4.00. Less than 500 lbs., \$4.25. 100 lbs., \$4.50. Less than 100 lbs., 6c.

NITRATE OF SODA—Contains 13 per cent Nitrate, in quickly available form. It is used for forcing crops like lettuce, celery, etc., as it makes a large growth of leaves and tops.

Apply the Nitrate of Soda by broadcasting it evenly over the entire surface of the vegetable field you are fertilizing, at the rate of 250 pounds per acre, before seeding, or planting, or transplanting.

Ton, \$3.75 per 100 lbs. Less than ton, \$3.85. Less than 1,000 lbs., \$4.00. Less than 500 lbs., \$4.25; 100 lbs., \$4.50. Less than 100 lbs., 6c. Less than 50 lbs., 8c. Bags weigh from 150 to 200 lbs., and are sold gross weight.

FISH MEAL—A high grade fertilizer made of fish scrap, dried and finely ground. It is very high in nitrogen and phosphoric acid, and will produce wonderful results where a luxuriant top growth is desired, and where the offensive odor will not be objectionable. Use about 500 lbs. to acre when applied to row and 1,000 if sown broadcast, 6 nitrogen, 10 phosphoric acid.

Ton, \$4.50 per 100 lbs; less than ton, \$4.65; less than ½ ton, \$4.80; less than 500 lbs., \$5.00.

SHEEP MANURE—Contains Nitrogen, Phosphoric Acid, Ammonia and Potash in liberal proportions. Produces immediate and lasting effect. Promotes steady and rapid growth.

FOR LAWNS—Pulverized Sheep Manure is the best possible fertilizer for the lawn. It should be applied liberally, as it will not burn and the cost is low. Recommend 100 lbs. to 2,000 square feet. No objectionable odor. Ton, \$1.25 per 100 lbs. Less than tons, \$1.35. Less than half tons, \$1.50.

SUPERPHOSPHATE—This is a concentrated form of phosphoric acid. 17% phosphoric acid.

Ton, \$2.00 per 100 lbs. Less than ton, \$2.10. Less than half ton, \$2.25. Less than 500 lbs., \$2.50. Bag, 125 lbs., \$3.00 per 100 lbs.; 50 lbs., 4c; less than 50 lbs., 5c.

PACKING HOUSE PRODUCTS

BLOOD DRIED—A very effective and quick acting form of nitrogen. Like Nitrate of Soda it must be used with care, and is best used in several light applications, but when properly used it is a very valuable fertilizer. It is blood, dried and finely ground. Use about 400 lbs. to acre when applied to the row and about 1,000 lbs. if used broadcast. 100 lbs., \$5.00; 500 lbs., \$24.00; ½ ton, \$46.00; ton, \$90.00.

BONE MEAL — A splendid fertilizer and for many purposes is the best and cheapest form of nitrogen and phosphoric acid. It is slow in action and there is no waste, as the plant food is released only as fast as it can be taken up by the roots of the plants. It may be used in almost unlimited quantities without danger of burning the plants.

Use 500 pounds to acre when applied to row and double this amount if used broadcast.

Ton, \$3.25 per 100 lbs. Less than ton, \$3.38. Less than half ton, \$3.50.

TANKAGE—This gives off very little odor and is highly recommended as a reliable fertilizer. Use about 500 lbs. to acre for row application and about 1,000 lbs. broadcast, $4\frac{1}{2}$ nitrogen, 7 phosphoric acid.

Analysis, $4\frac{1}{2}$ per cent nitrogen, 7 phosphoric acid.

Ton, \$2.00 per 100 lbs. Less than ton, \$2.25. Less than half ton, \$2.50. Prices subject to change.

SPECIAL FERTILIZERS

FOR SPECIAL CROPS—While the amount and kind of fertilizer to use for any given crop depend somewhat upon the nature and condition of the soil it is a well known fact that certain crops require certain ingredients to feed upon, and unless these are supplied, the crop produced will only be a part of what might have been produced if the crop had been properly supplied with the elements that it required.

Therefore to make it possible to supply the different crops with the particular elements necessary for their best development, the following special fertilizers have been prepared and are recommended for the different crops.

BERRY FERTILIZER—2 nitrogen, 10 phosphoric acid, and 2 potash, is an organic material suitable for fall and spring application. The most successful berry growers apply from 1,000 lbs. to 1,200 lbs. per acre yearly when applied to the rows. Ton, \$3.25 per 100 lbs. Less than ton, \$3.38. Less than half ton, \$3.50.

General fertilizer, 2 per cent nitrogen, 10 per cent phosphoric acid and 2 per cent potash, is made up of half chemical and half organic materials for spring application to vegetables and is a general fertilizer for this purpose. Row application, 500 lbs. to acre. Broadcast, double this amount. Ton, \$3.25 per 100 lbs. Less than ton, \$3.38. Less than half ton, \$3.50.

Clarke's Orchard Dressing, 6 nitrogen, 10 phosphoric acid, and 4 potash, is a balanced ration orchard fertilizer which has made immense increases in the quality and quantity of fruit. This material is carefully ground and cured ahead of the season in order to be highly efficient. Use one pound per year age of tree up to 12 years. Ton, \$4.50 per 100 lbs. Less than ton, \$4.62 $\frac{1}{2}$. Less than half ton, \$4.75.

Potato Special, 2 nitrogen, 10 phosphoric acid, and 4 potash. This is a mixture especially prepared of materials which tend to decrease the spread of scab. Soot and potash salts are especially included in this mixture to assist in reducing this pest. Hill application 700 to 800 lbs. Ton, \$3.25 per 100 lbs. Less than ton, \$3.38. Less than half ton, \$3.50.

Tomato Special, 3 nitrogen, 8 phosphoric acid, and 6 potash, is a material especially designed to make large, quick maturing fruit which is solid and will ship well. Row application, 500 lbs. to acre, but more than double this amount if used broadcast. Ton, \$3.50 per 100 lbs. Less than ton, \$3.62 $\frac{1}{2}$. Less than half ton, \$3.75.

Quotations on fertilizers are prices prevailing Dec. 1, 1926, but as these are liable to change our prices may advance or decline, therefore it is better to write for prices stating amount wanted.



ODORLESS—CLEAN—EFFICIENT

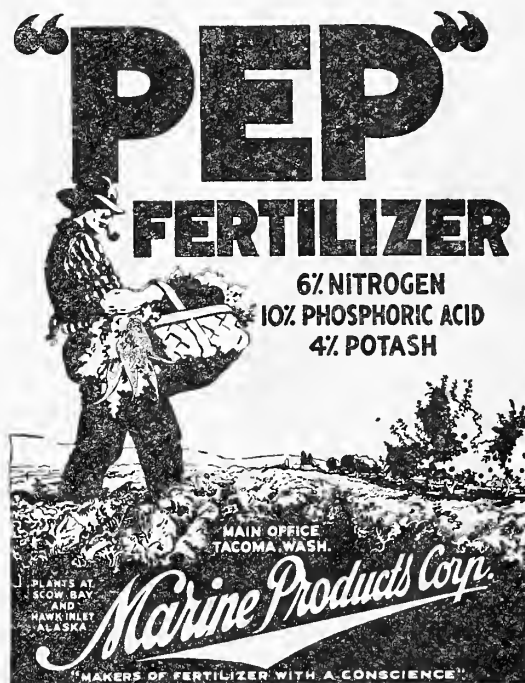
For Lawns, Flowers, Gardens, Shrubs, House Plants, Fields and Orchards.

A 25-lb. bag covers a lawn space of 1,200 square feet. Lasts a year or more.

A tablespoonful to hill of potatoes, tomatoes or ordinary rose bush means abundant flowers, crisp and early vegetables.

A teaspoonful for 6 to 8 in. potted plant.

The small amount that it is necessary to use makes Gromore one of the most economical fertilizers. 1 lb. pkg., 25c; 2 lb. pkg., 45c; add postage.



6 per cent nitrogen, 10 per cent phosphoric acid and 4 per cent phosphate. In some respects Pep is different from other fertilizers, in that it is composed of chemicals and vegetable matter. As is well known, the chemical substance acts very quickly, hence is soon exhausted, whereas vegetable matter acts more slowly, but naturally, lasts longer, therefore the peculiar combination of both chemicals and vegetable matter makes Pep one of the most desirable fertilizers to use because of its quick action, combined with its lasting properties. 5 -lb. pkg., 75c; 10-lb. bags, \$1.25; 25-lb. bag, \$2.00; 50-lb. bag, \$3.50; 100-lb. bag, \$6.00; add postage.

STIM-O-PLANT

PLANT STIMULANT TABLET

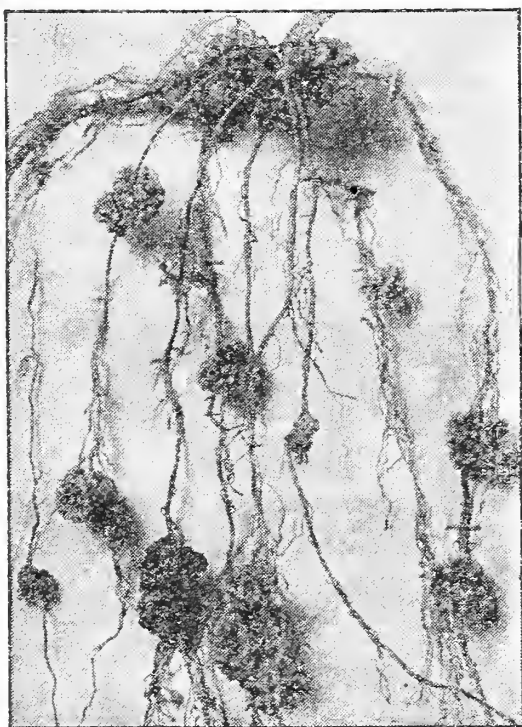
Each tablet contains 26 grains with guaranteed analysis of 11 per cent nitrogen, 12 per cent phosphoric acid and 15 per cent potash. In liquid form use directly on soil; do not touch foliage or stems.

For pot plants place from $\frac{1}{4}$ to 1 tablet to each plant according to size of pot. For garden

crops grown in drills use 1 tablet to each foot of row. On plants grown in hills use 1 tablet to each hill. For flower beds and borders, for bush or small fruits, for fruit and ornamental trees, for shrubbery plantings, insert 1 tablet to each square foot of planted surface. Box of 30 tablets, 25c, postpaid, 30c; 100 tablets, 75c, postpaid, 85c. Pails, 1,000 tablets, \$3.50; postpaid, \$3.65.

Please note that analysis on fertilizers may vary from figures here given as sometimes the different mixtures will vary somewhat, hence not guaranteed to be exactly correct.

SEED INOCULATION



Nodules or Nitrogen Sacks
Produced with Inoculation.

Farmogerm

DIRECTIONS—Fill the bottle three-quarters full of water, shake thoroughly to break up the jelly, and apply contents to the seed by mixing until all the seed becomes moistened.

Prices for alfalfa and clovers.

$\frac{1}{4}$ -bushel	\$0.35; postpaid, \$0.40
$\frac{1}{2}$ -bushel .....	.60; postpaid, .70
1 bushel	1.00; postpaid, 1.10
$2\frac{1}{2}$ bushels.....	2.25; postpaid, 2.35

Soil and crop experts agree that for best growth, and to put atmospheric nitrogen in the soil, it will pay all farmers to inoculate all legumes, even where they are at present successfully grown. The cost is trivial when compared with the profit it will bring you. Legumes are clovers, peas and beans, alfalfa, soy beans, vetches and other plants that grow their seeds in a pod. Their roots are the home of bacteria that draw fertility-building nitrogen from the air and store it in swellings on the roots, called nodules. These nodules not only feed nitrogen to the crop they are on, but rot away in the ground and supply valuable nitrogen to the soil for future crops of corn, wheat, cotton, oats, fruits, etc.

As there are fewer seeds per bushel in the large-seed varieties, such as cow peas, peas, beans, etc., it has been found by extensive experiments in the laboratory and test fields, that it requires less material to give thorough inoculation on these varieties.

For Canadian peas, beans and vetches:

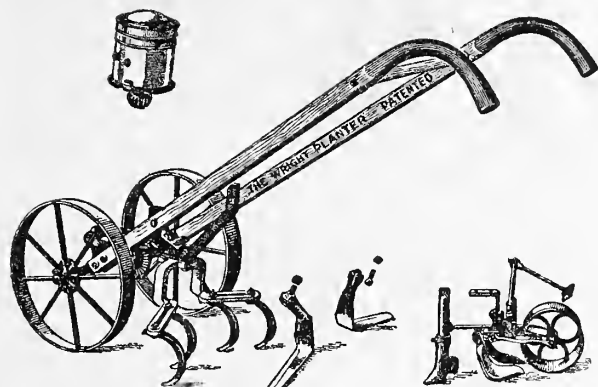
$\frac{1}{2}$ -bushel	\$0.35; postpaid, \$0.40
1 bushel .....	.60; postpaid, .70
5 bushels.....	2.25; postpaid, 2.35

Garden size for garden peas, beans and sweet peas, 25c, postpaid, 30c.

PLANT A GARDEN

Farm Tools

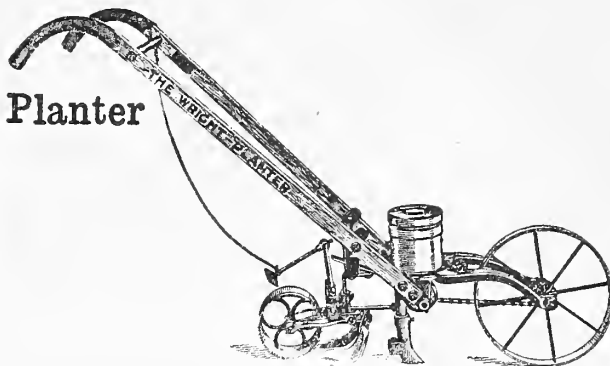
Wrights Planter



No. 3-A

This machine has to recommend it better traction than the single wheel drive, and as a cultivator will straddle the plant growing row. Seeder only, \$21.00. Complete, \$25.00.

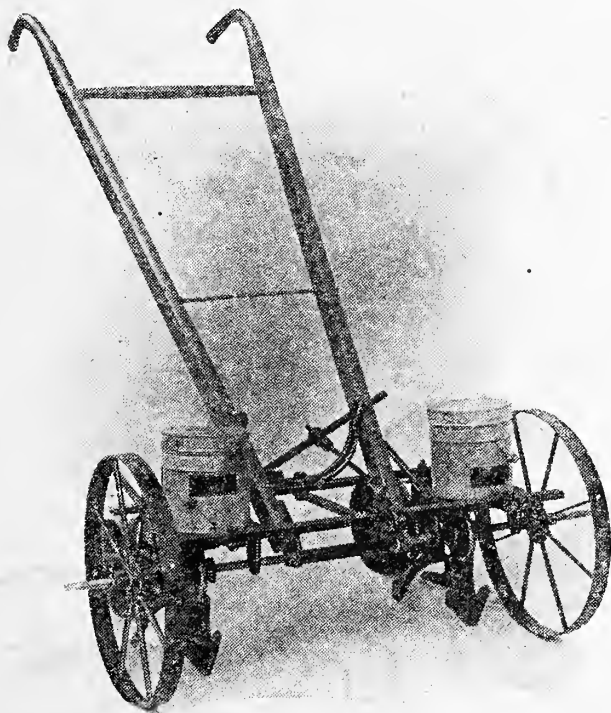
The above cuts show the No. 3-A with seeder box and cultivator attachments, while No. 4-A is shown as seeder only. The only reason that single and double seeders have been put on the market is the fact that some planters prefer the double wheel, while others prefer the single wheel type. There is, however, not the slightest difference in their planting accuracy. In order to show their planting accuracy we are submitting the following table on a few of the principal seeds, and desire to state that the quantities sown per foot can be changed by using other plates.



No. 4-A

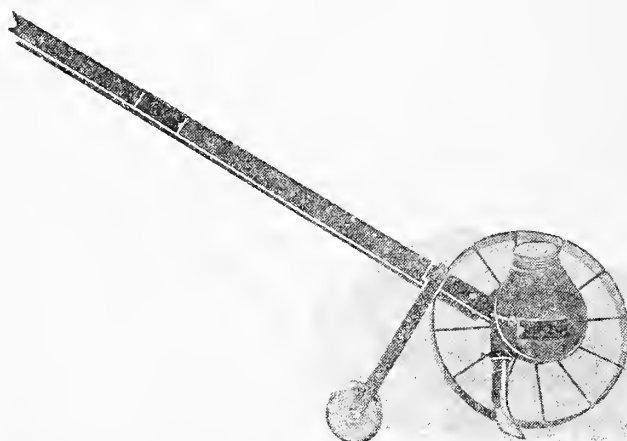
Has special merits. No other machine has ever been put on the market guaranteed to plant a fixed number of seeds per foot with fair accuracy. Refer to the planting table below, which gives the drops a Wright Planter will make. The chain is outside the drive wheel frame. Drive wheel is 14 inches in diameter with 2¼-inch rim. Both machines are made of malleable iron with oak handles. Seeder only, \$21.00. Complete, \$25.00.

	Plate No.	Seeds, per foot	Plate No.	Seeds per foot	Plate No.	Seeds per foot	Plate No.	Seeds per foot
Beets	9	8	11	25				
Carrots	3	12	6	25	2	40	1	80
Corn, Sweet	10	2						
Lettuce	6	12	2	18	1	36	5	60
Onions	2	12	1	25	5	36	7	70
Parsnips	8	18	9	60				
Radishes	2	6	5	20	1	25	7	40
Spinach	7	18						
Turnips	4	12	2	18	1	36	5	60



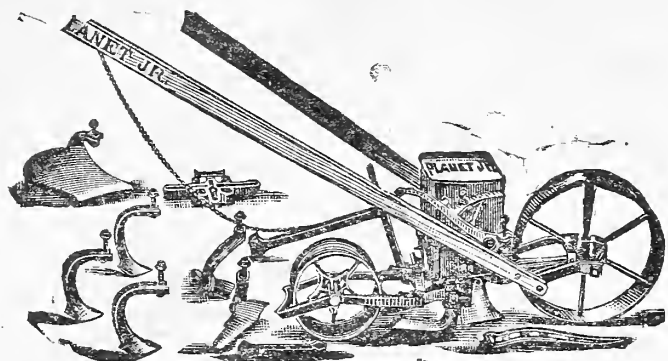
NO. 5-A—PRICE, \$45.00.

Is a machine well worth while for large area planting of any vegetables. It is just as accurate as a single machine. It is of light draft and can be easily propelled on well prepared ground by a single operator. It can, however, be operated by a horse or small tractor.



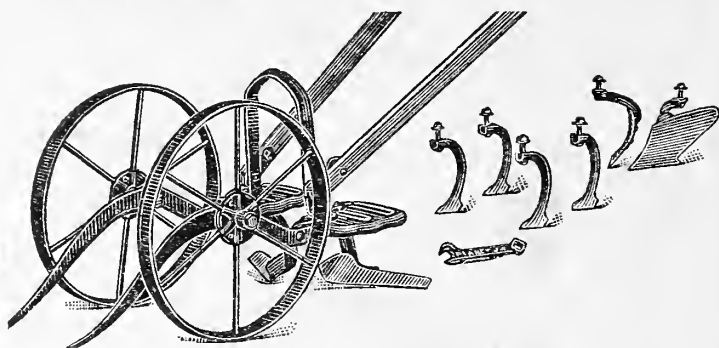
NO. 7—PRICE, \$8.50.

Is the result of the thought of the designer of Wright Planters to provide a moderate priced and at the same time an almost positively accurate seed planter. It plants a fixed number of all kinds of vegetable seeds per foot, except it is not regulated to beans, corn and peas.

No. 4 Planet Jr.

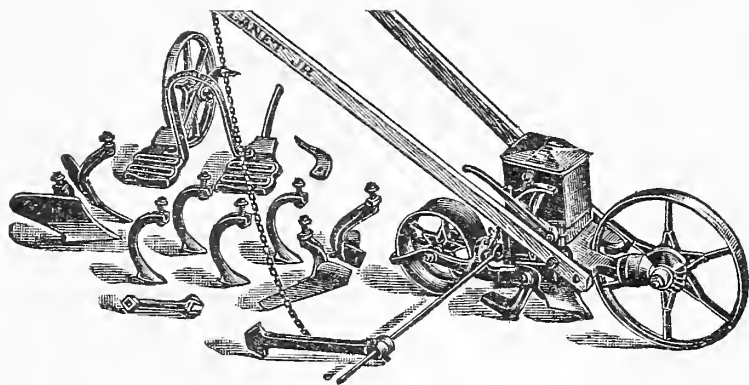
This is the most popular combined tool made. It combines in a single implement a first-class, hill-dropping seeder, a single wheel hoe or weeder, a cultivator and a plow. The hopper holds two quarts of seed, which can be sown in continuous rows, or dropped in hills, at 4, 6, 8, 12 or 24 inches apart.

The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. Price complete, \$18.10. Seeder only, \$14.25.

No. 12 Planet Jr.

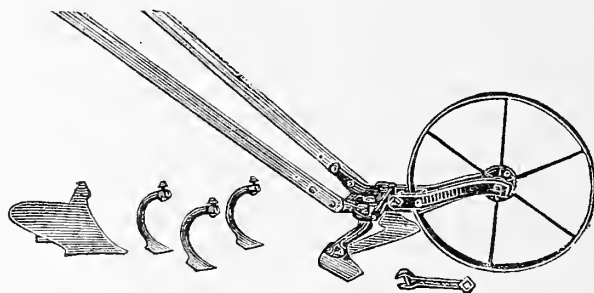
No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. Then, too, it's easy to work.

It has a pair of 6-inch hoes, a pair of plows for opening or covering, and a set of four all-steel cultivator teeth. The tools shown are what gardeners use most and others can be added as wanted. Price, \$10.75.

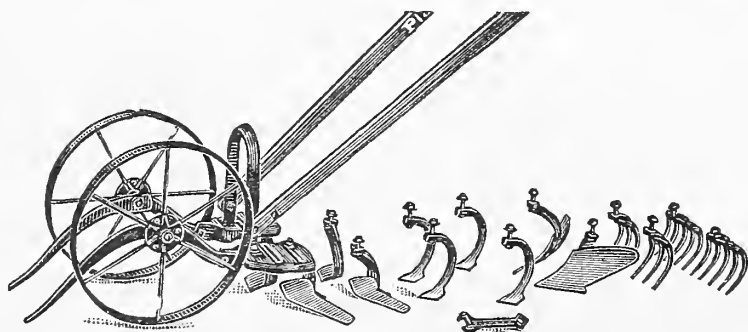
No. 25 Planet Jr.

As a drill it is almost identical with the Planet Jr. No. 4 Drill, and is thoroughly substantial and accurate in sowing all kinds of garden seeds in hills or drills.

As a wheel hoe it is identical with the Planet Jr. No. 12 Double Wheel Hoe, the very best machine on the market. The change from drill to wheel hoe takes but a moment. Price, \$21.50.

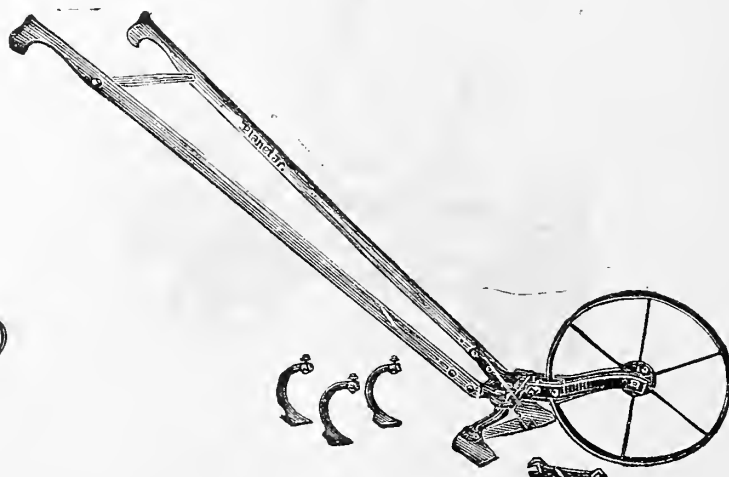
No. 17 Planet Jr.

Wheel can be placed on outside of wheel arm to work both sides of the row at one time. With the plow, all the necessary plowing, opening and closing of furrows for seed, fertilizer, etc., and hilling of plants can be done. Equipment: One garden plow, three steel cultivator teeth, pair of six-inch hoes. Price, \$7.75.

No. 11 Double Wheel Hoe

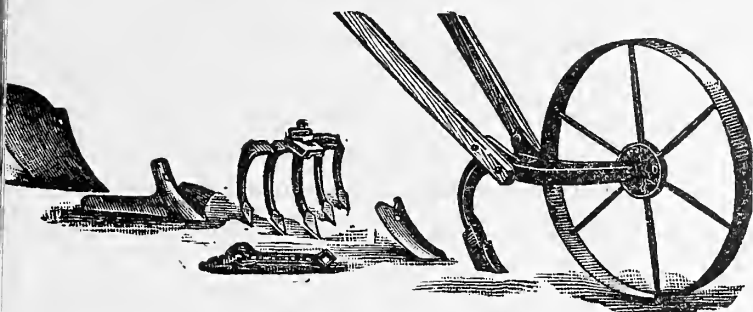
No. 12 runs either astride or between the rows; kills all the weeds and leaves the earth in fine shape. Then, too, it's easy to work.

It has a pair of 6-inch hoes, a pair of plows for opening or covering, and a set of four all-steel cultivator teeth, rakes and two leaf lifters. Price, \$13.75.



NO. 17½—Same type as No. 17—One pair of 6-inch hoes and three cultivator teeth. Price, \$6.75.

No. 19 Planet Jr.



No. 19—This attractive implement is especially designed for the farmer's garden work. The great variety and fine shape and quality of the tools makes the implement light running and effective. It is strong, well made, and quickly adjusted. The height of the handles can be changed to suit. Price, \$6.00.

Planet Jr. Seeder Attachment

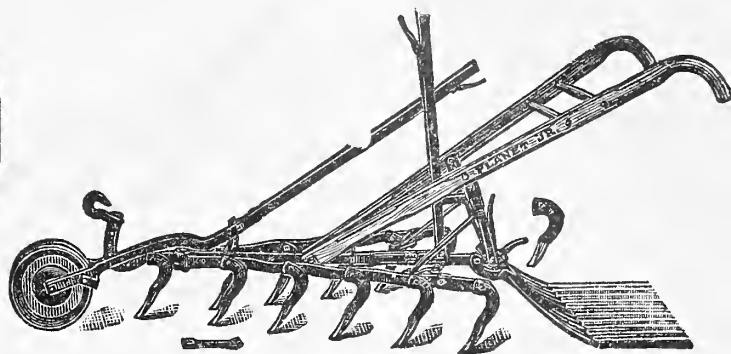


Fits all Planet Jr. Wheel Hoes and Garden Plows, except the Fire Fly. Sows a five-cent packet of seed as economically as a full hopper, at the proper depth and thickness, which produces a uniform stand. Price, \$6.50.

PLANET JR.'S EXTRAS.

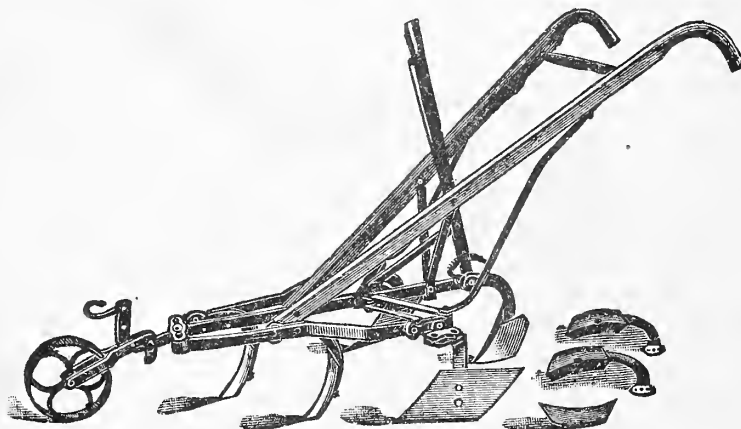
Size—	Price	Weight
	Pair.	Pair.
Hoes, 6 inch.....	\$1.30	3 lbs.
Hoes, 7½ inch.....	1.50	3 lbs.
Hoes, 9 inch.....	1.65	3 lbs.
Rakes, 3 teeth.....	1.00	2 lbs.
Rakes, 5 teeth.....	1.60	2 lbs.
Rakes, 7 teeth.....	2.25	3 lbs.
Cultivator teeth, each.....	.35	1 lb.

Add postage.

No. 90 Planet Jr. 12-Tooth Harrow
Cultivator and Pulverizer

With the 12-tooth harrow here shown you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil and mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. Has steel wheel which prevents clogging. Its 12 chisel-shaped teeth leave the ground in the finest condition without throwing dirt on plants. Price, \$18.00.

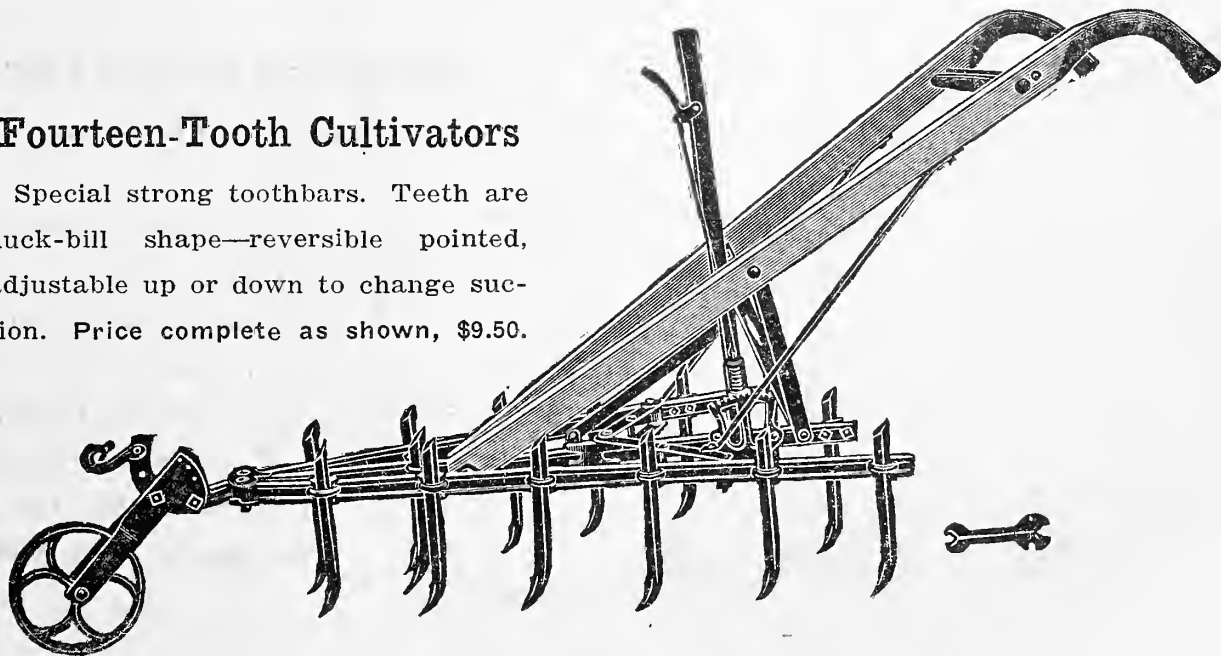
No. 2—5-Tooth Cultivator



For garden, truck patch, orchard or field work. This tool is finely built throughout. Frames are high carbon steel, and are made extra long to avoid clogging in narrow rows. Standards high, reducing draft, and adjustable to change pitch of shovels. Price \$11.00.

Fourteen-Tooth Cultivators

Special strong toothbars. Teeth are duck-bill shape—reversible pointed, adjustable up or down to change suction. Price complete as shown, \$9.50.

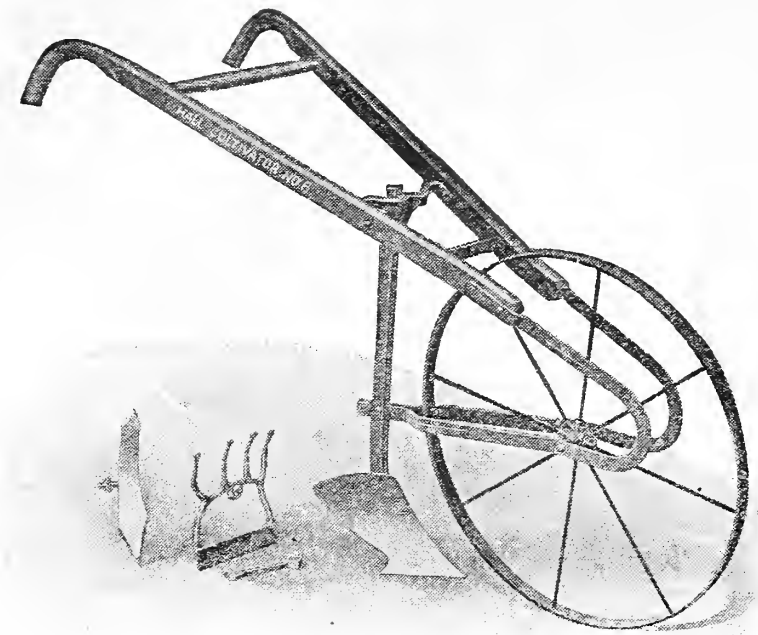


No. 6 Garden Plow

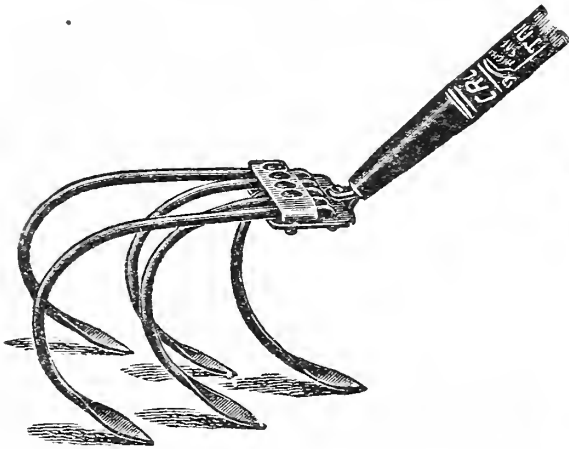
NO. 6—GARDEN PLOW

The swing frame feature gives it a hang and balance, which makes it the easiest running plow you ever saw. Instead of pushing against the axle, the curved handle applies the power ahead of axles, making a more steady and even draft.

Handles easily adjusted for easy working height for any person. Just loosen one thumb screw. Adjustable draft for light or deep cultivation. Extra heavy, 24-inch wheel, oval spokes, $\frac{3}{8}$ -inch. Bushed to prevent binding. Best hardwood handles, well-finished. Weight, 25 lbs. Price, \$5.00.

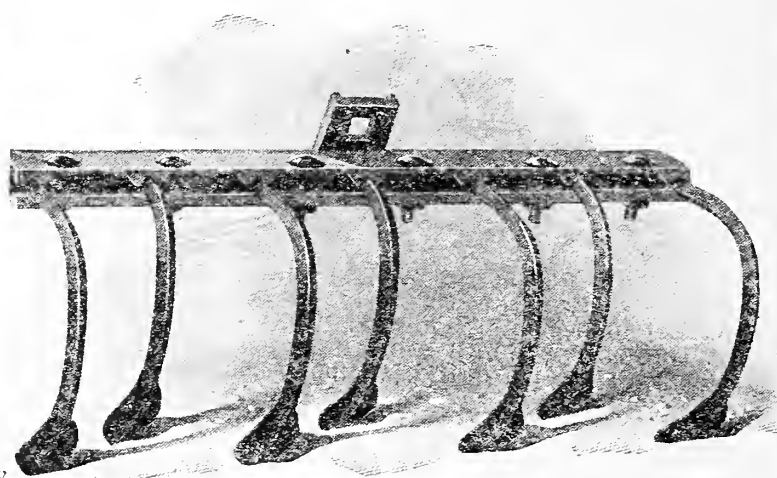


Cultivator Hoes

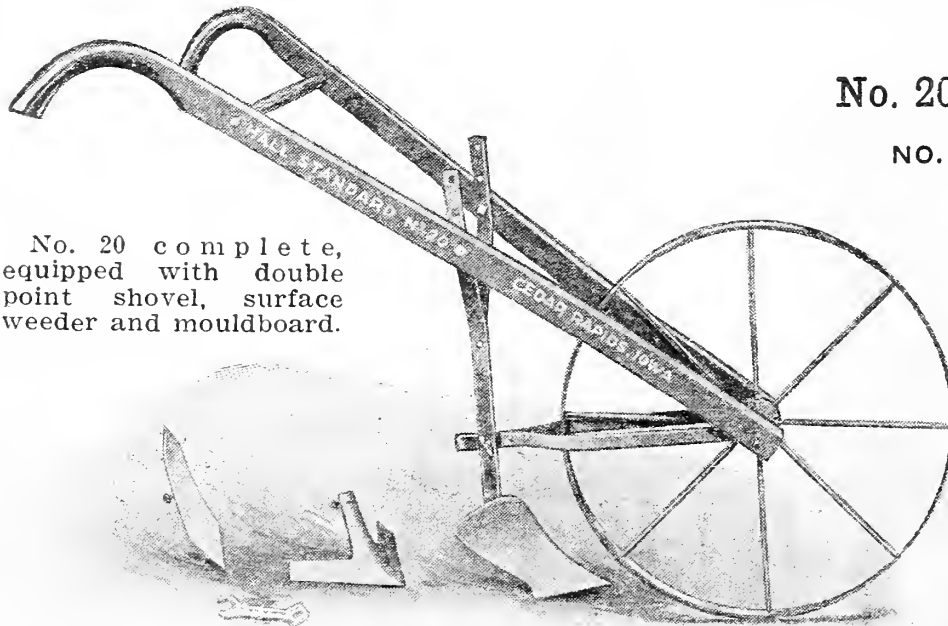


Two prongs are changeable for rows of any width. Loosening nuts, releases the prong. Works between rows or center prong can be removed and rows straddled. A perfect weeder and pulverizer, giving level cultivation. Head made entirely of steel. Light, well made, serviceable. Blue finish. $4\frac{1}{2}$ -foot handle. 5-prong, \$1.00; weight, 5 lbs. 3-prong, 75c; weight, 4 lbs. Add postage.

Cultivator Attachments



Here's a seven-prong cultivator attachment. Prongs are made of best forged blades, and each prong can readily be removed. Attachable to any standard plow on the market. Permits a scope of cultivation impossible with stationary prong cultivators. Width 12 inches. Weight, 3 lbs. Price, \$1.00; add postage.



No. 20 complete, equipped with double point shovel, surface weeder and mouldboard.

No. 20 Hall Garden Plow

NO. 20 GARDEN PLOW

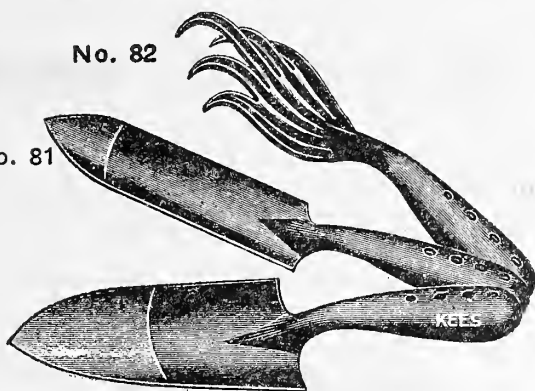
No. 20 Garden Plow is equipped with three tools, well sharpened and polished. Handles adjustable to proper working height. Extra heavy, 24-in. wheel and superior construction throughout makes this plow a rapid seller. Price, \$4.50.

Garden Trowels

No. 82

No. 81

No. 80



NO. 80—GARDEN TROWEL — One-piece heavy pressed steel. Blade and handle formed from a single piece of steel. Handle cannot come off nor break.

Blade $6\frac{1}{4}$ inches long, $3\frac{3}{8}$ inches wide, handle 5 inches long. Blade ground and polished. Handle perforated. Beautiful dark blue lacquer finish. Price, 25c; postpaid 30c.

NO. 81—TRANSPLANTING TROWEL — Stamped steel, blue lacquer finish.

One-piece heavy pressed steel. Blade $6\frac{1}{4}$ inches long by $1\frac{3}{8}$ inches wide. Otherwise like No. 80. Price, 25c; postpaid 30c.

NO. 82—GARDEN WEEDER—Pressed steel, blue lacquer finish.

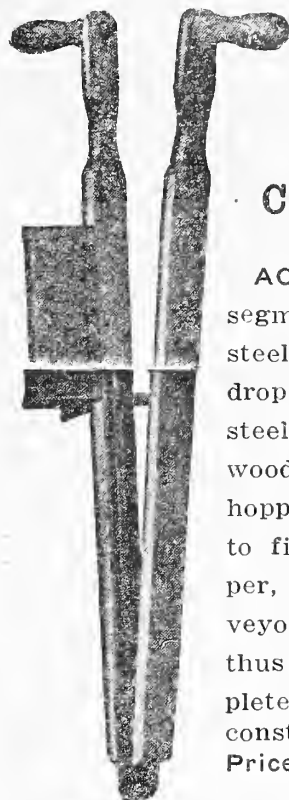
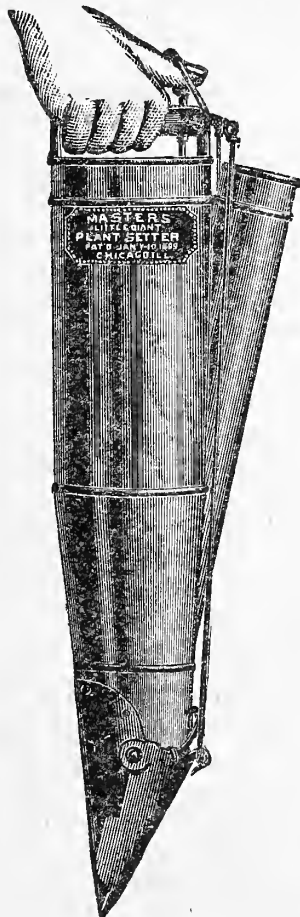
One piece heavy pressed steel. Has five corrugated fingers with ground and polished points. Round, perforated handle. Blue lacquer finish. Length, over all, $9\frac{1}{2}$ inches. Price, 25c; postpaid, 30c.

NO. 183—GARDEN SET—Pressed steel, blue lacquer finish.

Set of three pressed steel garden tools: No. 80, Garden Trowel; No. 81, Transplanting Trowel; No. 82, Garden Weeder. All made one-piece, pressed steel, beautifully finished in blue lacquer. One set in a carton. Price, 65c; postpaid, 75c.

Master's Rapid Plant Setter

Each plant is SET, WATERED and COVERED in one operation without any stooping and no lame backs. A man simply walks along in an upright, comfortable position and will set from 8,000 to 15,000 plants per day and never have to bend his back. It does perfect work. The roots of each plant are put into the ground in a natural position and firmly set by the absorption of the water. Weight, 6 lbs. Price, \$6.00; add postage.



Planters

CORN PLANTERS

ACME OR TRIUMPH—The segmental slide is of pressed steel, adjustable to vary the drop. The jaws are of pressed steel securely riveted to hardwood sides, and the cover of hopper is also steel with hinges to fit over the top. The hopper, hopper bottom and conveyor tube are of pressed steel, thus making the planter complete, without a casting in its construction. Weight 5 lbs. Price, \$1.25; add postage.

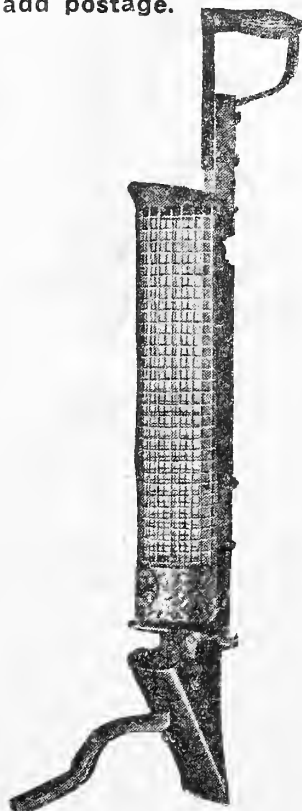
POTATO PLANTERS

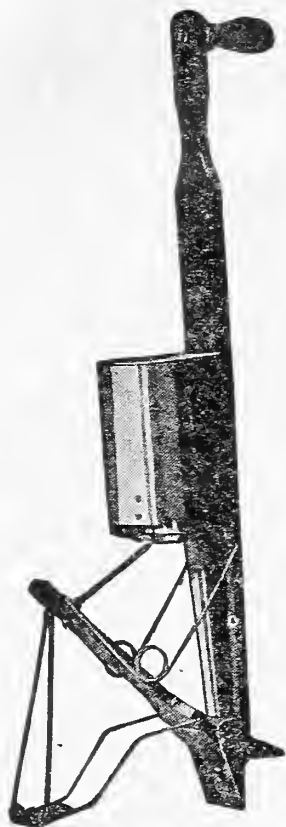
ACME SELF-LOCKING TUBULAR — The jaws are formed from bright steel dipped in a special preparation to prevent rust. The lock is secured by the front jaw slipping down $\frac{3}{8}$ of an inch, which causes a pair of studs on its upper corners to slip over corresponding shoulders in the rear jaw. When thrust into the soil to deposit the seed, the front jaw is pushed up, releasing the lock. Galvanized iron taper conveying tube. Weight 6 lbs. Price, \$1.75; add postage.



ACME WIRE TUBULAR — Strong hardwood handle, set into malleable iron socket securely riveted to back jaw. Foot plates provided on socket. Adjustable dump or depth gauge. Wire mesh conveying tube by which each seed can be seen when passing through the tube.

Weight, 6 lbs. Price, \$1.75; add postage.

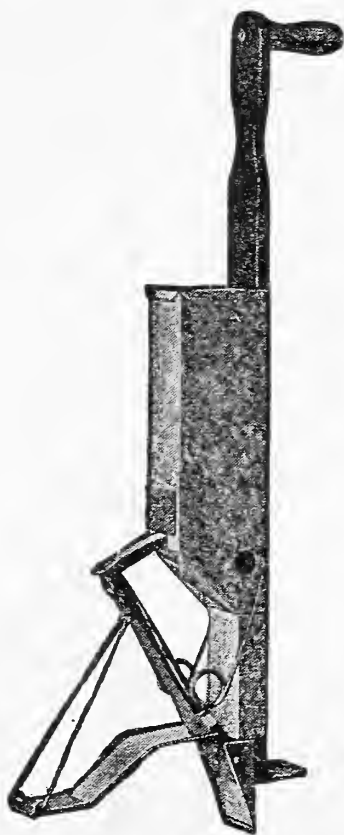




CORN PLANTER

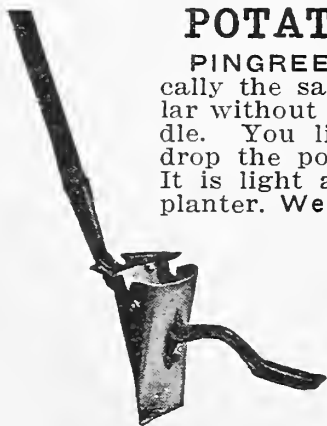
ACME SEGMENT—Automatic slide type. Segmental pressed steel slide, adjustable for number of kernels, running in segmental steel track. Chinese bristle brush cut-off. Double soil steel spring, adjustable depth gauge, fixed dump lever, galvanized hopper with hinged cover, galvanized seed spout. Can be used also for planting beans. Pumpkin seeds may also be planted by operator dropping seed into hole in spout. Weight, 5 lbs. Price, \$2.00; add postage.

ACME ROTARY AUTO-MATIC—Pressed steel hopper. Hopper cup conveyor, depth gauge, dump, foot and cut-off box. Cast frame (or basket.) Disc or seed plates are adjustable by means of a thumb nut to suit various sizes of kernels. Used in one hand like a walking stick. Disc is set for correct number of kernels by loosening thumb nut, moving star until pockets are of right size, then tightening thumb nut again. Plunge planter into the ground, work forward to trip seed, and withdraw. Double coil spring automatically rotates disc and closes jaws, thus filling same for next hill. Wt. 6 lbs. Price, \$2.50; add postage.



POTATO PLANTER

PINGREE OR ACME—Is practically the same as the Acme Tubular without the tube down the handle. You lift the planter up and drop the potato in the lower part. It is light and a very satisfactory planter. Weight, 5 lbs.; price, \$1.25; add postage.

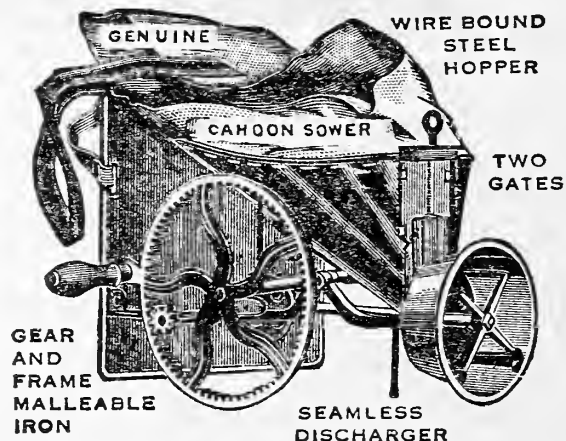


CORN KNIFE



NO. 6 SPECIAL STEEL—Length of blade, 15 inches. Width at end, 3 inches. Length over all, 21½ inches. Number of rivets, 3. Weight, 2 lbs. Price, 75c. Add postage.

Cahoon Broadcast Seeder



CAHOON—The standard broadcast seeder, and one of the best made. Sows all kinds of grain, clover, timothy and heavy seeds. Very simple in its operation and sows four to six acres an hour at a usual walking gait.

Distributes seeds uniformly in one-fifth the time required by hand. This Cahoon seeder that we are offering is the Genuine Cahoon. A great many dealers list a seeder much like this in appearance and describe it as Cahoon Pattern, and is usually offered at a lower price, but is a much inferior seeder. After a careful examination of the Genuine Cahoon Seeder and other seeders sold as Cahoon Pattern, the following are some of the differences that have been noticed:

First—The Genuine Cahoon Seed Sower has a malleable iron frame, handle gear and other parts, which in the other machines are cast iron, more easily broken.

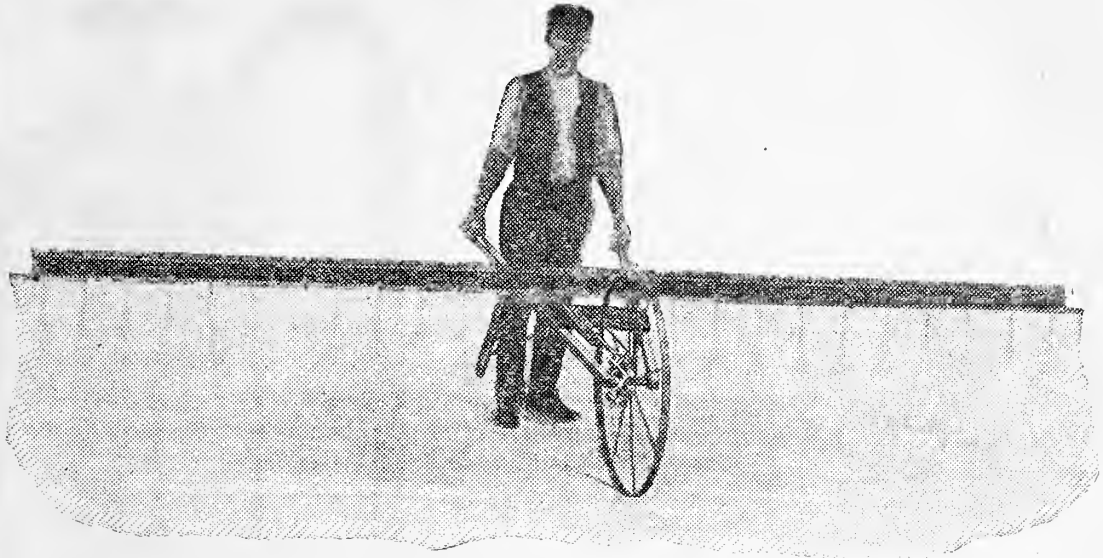
Second—The top of the hopper on the Genuine Cahoon is wire bound, making it stiffer and stronger. The hopper of the other machines are not wire bound and they do not have the edge turned over.

Third—The bag of the Genuine Cahoon is made of 7-ounce duck, that on the other machine is made of lighter, less durable material.

Fourth—The Genuine Cahoon has a double gate, larger for grain and the smaller for grass seed, with a gauge which permits of setting the gate properly to sow a certain quantity per acre.

Fifth—The Genuine Cahoon is speeded so that the operator walking at an ordinary gait makes one complete revolution of the crank with each step, which is a rule very easily followed, while the other machines are so speeded that it is necessary for the operator to turn much faster. Weight, 8 lbs. Price, \$5.00. Add postage.

GRASS SEEDERS



WHEELBARROW—They run easily, and sow evenly in windy weather. The quantity of seed sown is accurately governed by the wheel, which moves correspondingly slow or fast as the machine runs over the ground. This seeder is constructed on up-to-date principles. It has a strong steel wheel, 32 inches in diameter, with an inch and a quarter by one-quarter inch steel tire, is operated by a device that engages the wheel close to the hub. It is instantly thrown out of gear, and the amount of seed sown is quickly governed by changing the pin in the index plate as thereon indicated. 14-foot spread. Price, \$13.00.

**IMPROVED CYCLONE**

Has a Slope Feed Board—This feature is found in no other Sower, as the Improved "Cyclone" is the only Hand Seed Sower that is framed together with a slope feed board. This insures a filled hopper.

Triple Gears—are all adjustable. Automatic Feed Shut-off-starts or stops flow of seed instantly.

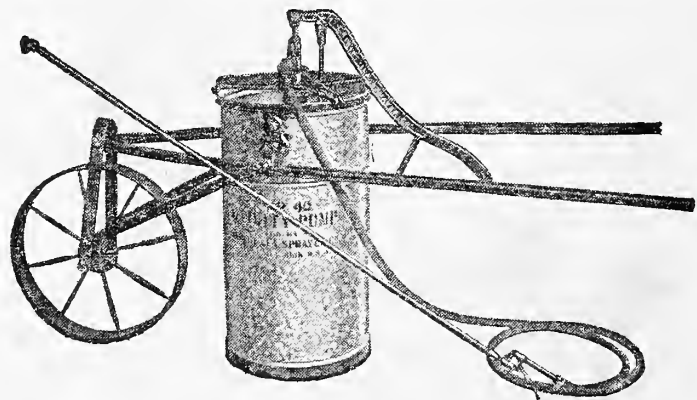
The Improved "Cyclone" is guaranteed to sow perfectly all seed that can be sown broadcast, such as clover, timothy, millet, flax, wheat, oats, alfalfa, etc., etc. Weight, 5 lbs. Price, \$2.50; add postage.

PILOT SPRAY ROD—The Pilot Spray Rod is a highly improved spraying gun, suitable for use either with power sprayers or the larger size hand outfits. Two or three of these can be used either with a power sprayer or the large size hand outfits. The Pilot Spray Rod throws a heavy penetrating mist or a long-distance spray. This is an excellent spray gun for the small or medium size orchard.

Price, \$4.50. Weight, 5 lbs. Add postage.

UTILITY SPRAY OUTFITS

This Outfit Is Light, Compact, Easy to Operate



No. 40.

Very useful for painting, whitewashing, and spraying warehouses, factories, barns, trees and greenhouses.

TANK is larger than most similar outfits, made of heavy galvanized iron, reinforced at top and bottom with heavy band iron rings. Capacity, 18 gallons.

PUMP—The cylinder is made of heavy brass tubing and has brass plungers packed with specially treated cotton wick to resist action of chemicals; can be tightened or expanded without removing from cylinder. Valves and all parts that come in contact with liquids are brass. Iron handle of good length makes

Pumps**THE MAGIC SPRAY PUMPS**

Have non-corrosive porcelain cylinders, 3-inch.

Have no stuffing box or outside packing.

Have 5 1-16 inch bell metal ball valves with reversible and removable seats.

No threads inside the valve.

Have a powerful spring, which is so used as to save one-third the labor. Weight, 220 pounds.

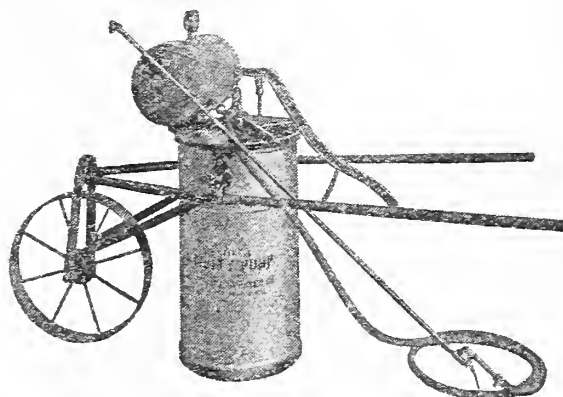
Weight, 220 pounds.

PUMP ONLY—With gauge, double cut-off, suction hose and strainer, \$50.00. For price of rods, cut-offs, nozzles and hose, see pages ????

pumping easy; 175 pounds pressure is easily maintained. Mechanical agitator keeps liquids thoroughly mixed. A fine strainer at suction end prevents sediment getting into working parts of pump.

FRAME substantially built of steel, well braced and balanced.

Price, \$30.00.



No. 40A

No. 40A—Same in construction as No. 40, but equipped with an air pressure tank mounted on pump casting. This makes a one-man outfit. By obtaining 250 pounds pressure considerable spraying can be done without pumping.

Price, \$45.00.

The Success Bucket Spray Pump

All Brass Working Parts, with Indestructible Bronze Valves, Malleable Iron Foot-Rest.

This outfit is a most excellent one for ordinary use in garden, vineyards and orchards; for washing windows and buggies and for the application of whitewash. The pump has a large air chamber and is double acting, throwing a continuous stream either solid or in fine spray. It is provided with Bordeaux nozzle and four feet of discharge hose. Weight, 8 lbs. Price, \$6.75; add postage.

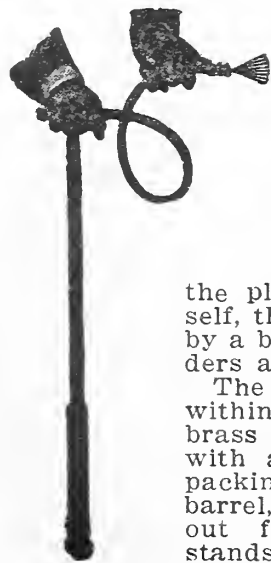


The Ideal

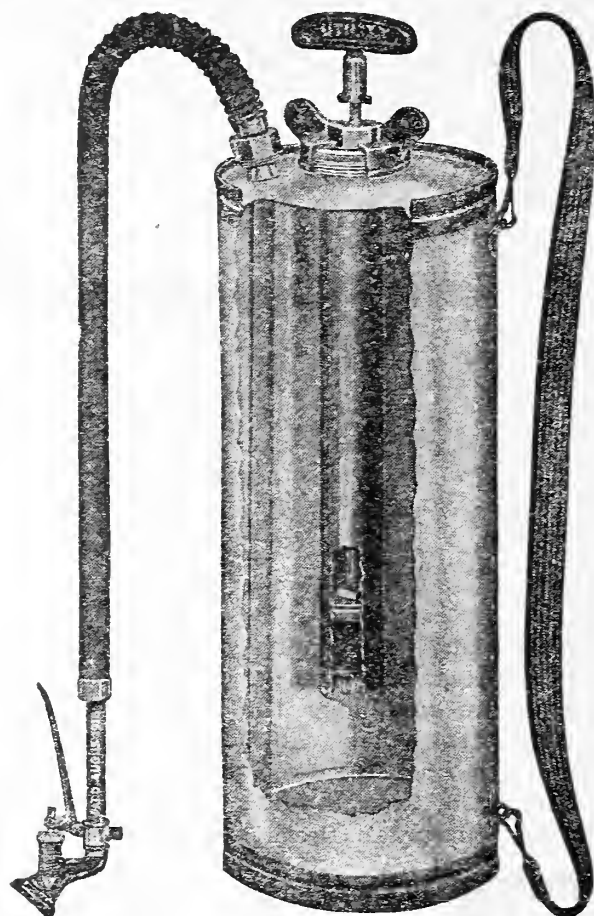
This pump does away entirely with the objectionable foot-rest, clamps, leather suction, packing, etc. It requires no fastening of any kind and holds itself down and works anywhere and everywhere. All the operator need do is to press the plunger down. It rises of itself, the upward stroke being made by a brass spring forcing the cylinders apart.

The all-brass suction working within a brass cylinder with all brass valves, does away entirely with all leather, rubber, or other packing. Will pump from a pail, barrel, tank, spring or creek. Without fastenings of any kind it stands firmly wherever placed.

Weight, 5 lbs. Price \$4.00; add postage.



Utility Compressed Air Sprayer



Utility Compressed Air Sprayer.

Tank—Size, 7½ by 20 inches; capacity, 3½ gallons. The convex flanged ends of 20-gauge material, the closely riveted and well soldered cylinder, double folded at top and bottom, makes the tank very strong. The standard hose connection permits the attachment of any garden hose and the brass filler opening is of ample size for filling without use of funnel. The tank should not be filled more than three-quarters full, to allow sufficient space for compressed air.

Pump—The plunger is fitted with a well-formed high-grade leather and operates easily in a heavy brass cylinder 1¾ inches by 15 inches long. The bronze ball check, seating on brass, will not deteriorate like rubber or leather. The pump seals the tank opening with a threaded cap which can be removed without use of wrench.

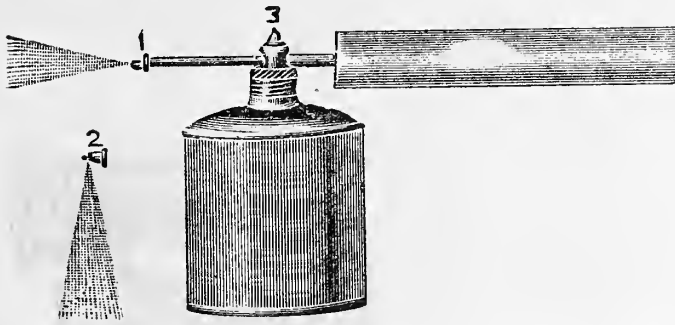
Hose—½-inch, 5-ply, 24 inches long, on standard hose connection with wire coil that prevents kinking, nozzle pipe and hose connection cemented into hose and fastened with brass ferrules.

Nozzle—Angle automatic, self-closing type, made of brass, equipped with strainer and two extra spray discs.

Galvanized tank, \$6.50; brass tank, \$9.00. Weight, 11 lbs. Add postage.

**PLANT A
GARDEN**

Inland Continuous Sprayer

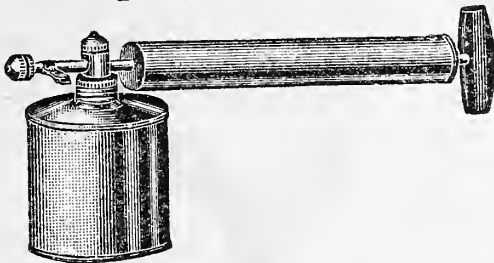


The Robertson Patent Pump enables the manufacturer to make a better sprayer than it is possible for any other manufacturer to make without infringing on this patent. This pump conserves all the energy that is put into it and the sprayer thus gives a continuous and powerful spray with an easy motion of the plunger.

These sprayers have a universal Nozzle that sprays up and down and to either side, in addition to the direct spray nozzle.

Price, tin, \$1.00; brass, \$1.75. Weight 2 lbs. Add postage.

The G. V. Continuous Variable Sprayer No. 1 Tin



This is the first continuous variable straight-way sprayer which takes the place of half a dozen different sprayers necessary for widely different purposes. For perfect atomization, every liquid must have its own peculiar air-mixture. It sprays lubricating oil or undiluted "Creso Dip" as readily as water.

The remarkably simple incorporation of the brass liquid tube within the brass atomizing tube, makes this combination impossible ever to get out of adjustment.

The pump and atomizing head of the G-V Continuous Variable Sprayer will last indefinitely. A new container can be purchased, thereby giving you practically a new sprayer.

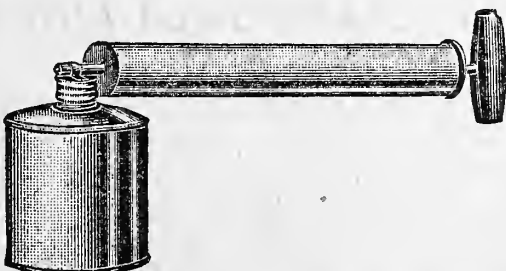
As a sprayer for paint the G-V Continuous Variable Sprayer has been thoroughly tested and has proven very satisfactory for use with brushing lacquers.

Capacity, 1 qt. Brass atomizing head. Pump, 12 inches long, 1 1/4 inch diameter.

Price, \$1.50; weight, 2 lbs.; add postage.

Container for No. 1, price, 40c; weight, 1 lb.; add postage.

The G. V. Intermittent Sprayer No. 5 Tin



The first intermittent sprayer with replaceable container, pump and head, making it doubly demountable. In others the pump and

atomizing head—must be thrown away when the container rusts.

The remarkably simple incorporation of the brass liquid tube within the brass atomizing tube, makes this combination impossible ever to get out of adjustment.

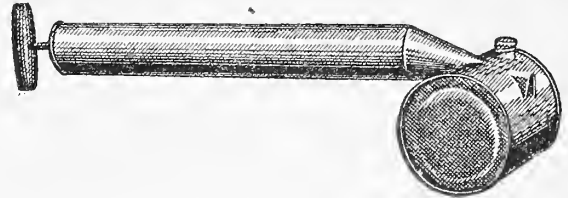
By far the heaviest material ever used in an Intermittent Sprayer.

50% more spray for the same effort, due to the absolutely new and patented atomizing head. Pump 14 in. long, 1 1/2 in. in diameter, capacity, 1 quart.

Price, 75c; weight, 2 lbs.; add postage.

Container for No. 5—Price, 40c; weight, 1 lb.; add postage.

Inland Special Sprayer

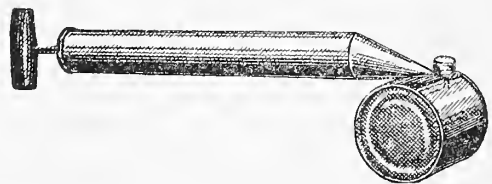


Inland Special Sprayer is a Single Tube Tin Sprayer. The pump cylinder measures 1 1/4 inches in length by 1 1/4 inches in diameter.

Sprayer is fitted with a 1/4-inch steel plunger rod; special type plunger. The special arrangement of the spraying tube is such that it thoroughly breaks up or atomizes all oils and solutions into a fine mist-like spray which penetrates all cracks and crevices. Weight, 2 lbs.

Price, 50c. Add postage.

Baby Midget Sprayer



A small size single tube Tin Sprayer for household use. Strong and substantial and possessing every feature of the larger types.

TANK: Tin, 3 inches in diameter, 2 3/4 inches long; 3/4-inch can screw for filling; 1/4-inch plunger rod. Black handle and plug. Pump tube, 1 1/4 inches in diameter, 10 inches long. Length over all, 15 1/2 inches. Capacity, about 1/2-pint. Price, 40c. Weight, 1 lb. Add postage.

Insect Powder Blower

Price, 25c and 35c; postpaid 30c and 40c.

PUMP ATTACHMENTS

Clamps

Two of these clamps can be used on our long shank couplings and mender.

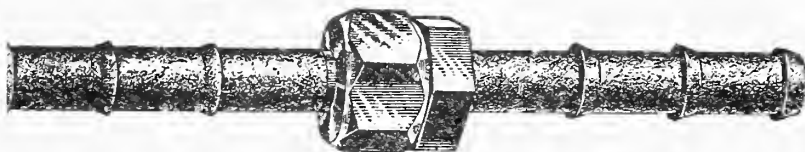
Price, postpaid, each 10c; 3 for 25c; dozen, postpaid, 90c.



HOSE CONNECTION—To connect 1/2-inch hose to spray rod. Price, each, 35c; postpaid, 40c.



BALL CUT-OFF—The perfect $\frac{1}{4}$ -inch rod cut-off. Far better than a globe valve for it opens full with less than one turn of the handle. Better than any lever cut-off because it will not leak, since the ball revolves instead of wearing. Fits any spray rod. Price, \$1.25, postpaid, \$1.30.



HOSE COUPLING—With hexagon nuts and double length shank, so will not put or blow out. To connect $\frac{1}{2}$ -inch hose.

Price, per pair, 85c; postpaid, 90c.

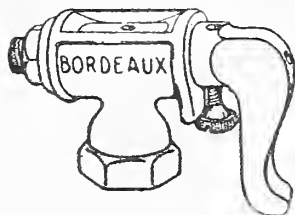
Female half only, 50c; postpaid, 55c.

Male half only, 50c; postpaid, 55c.

Hose Reducers

HOSE REDUCERS—These are for connecting a male hose coupling on end of spray hose to the spray rod. The two-piece connection has a swivel joint and is easily attached. When the one-piece connection is used the entire rod must be turned in screwing on. Price, one-piece reducer, 35c; postpaid, 40c.

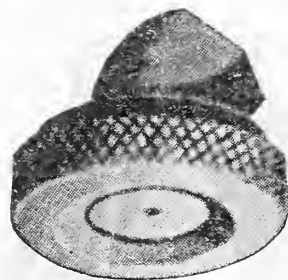
NOZZLES



BORDEAUX — The handle is built close down to the body and is shaped so as to avoid catching in the branches. The corners of the slot are cut away, leaving plain

straight faces which form a clean-cut spray without ragged edges. Price, \$1.25; postpaid, \$1.30.

CLIPPER (Patented)—The spraying lips are so shaped that all parts of the spray travel the same distance from the lip. It throws either a fan-shaped spray, a long-distance spray or a solid stream. Especially adapted for whitewashing. Price, \$1.25; postpaid, \$1.30.



MAJESTIC ANGLE — Throws a very large, beautiful, penetrating spray. Fitted with removable eddy chamber. The nozzles can be easily taken apart and cleaned. Wearing parts are cheaply and quickly replaced. Extra metal disc furnished with each nozzle. Price, \$1.00; postpaid, \$1.05.

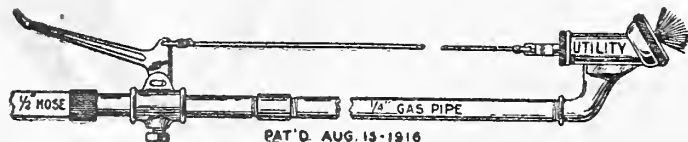


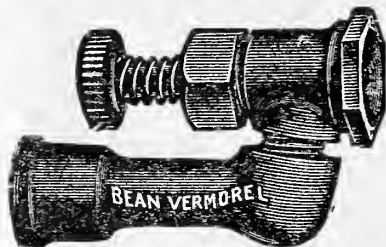
Illustration shows Angle Adjustable Nozzle in the extended form on spray rod.

Valves of nozzles are brass with unusually large waterways and strainer to prevent clogging when spraying whitewash or other heavy mixtures.

With our patent feature the shut-off is always at discharge end regardless of what length of pole is used. This eliminates use of stop-cock. Nozzle seats are brass, not rubber.

Price, each, \$2.00; postpaid, \$2.05.

VERMOREL — This nozzle throws a beautiful, misty, circular spray. All trouble caused by clogging in the bend is avoided by having the stem detachable. This also shows the nozzle to be turned at any angle desired. Price, \$1.00; postpaid, \$1.05.



$\frac{1}{4}$ NOZZLE ELL—It is very important to spray down into the blossom. This piece has just the right angle and screws onto the end of any spray rod. Then attach the nozzle.

Price, 25c; postpaid, 30c.



$\frac{1}{4}$ NOZZLE Y—The Brass Y shown here will screw onto any spray rod, and all kinds of spray nozzles screw into the other two ends. This is intended for use when two nozzles on one rod are desired. Price, 50c; postpaid, 55c.



ANGLE NOZZLE Y— $\frac{1}{4}$ -inch. Price, 50c; postpaid, 55c.

PRESSURE GAUGE REGISTERS—200 lb., price, \$2.50; postpaid, \$2.60. Registers, 300 lbs., price, \$3.00; postpaid, \$3.10.

Hose

The high pressure and corrosive and oily materials used in spraying are very destructive to ordinary spray hose, and have caused many persons to believe that hose for this purpose cannot be relied upon to last out a season's hard usage. Our Spray Hose is constructed and treated on purpose for this use, and as it saves annoyance and lasts longer, it is much more economical. Furnished in 12 $\frac{1}{2}$, 25 and 60 foot lengths. 5-ply 25c per foot. For power sprayers, 30c per foot. Price subject to change.

This is of extra fine quality. $\frac{1}{2}$ -inch size.

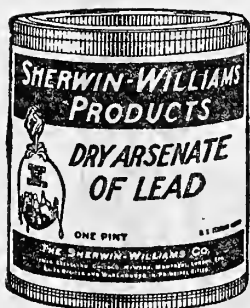
Fittings, \$1.00 extra. Fittings consist of one hose connection, one female coupling and four hose clamps.

Hose Washers, $\frac{1}{2}$ -inch rubber, doz., 10c.

SPRAY MATERIALS AND INSECTICIDES

It is important that the orchardist should become familiar with the name and character of the different diseases and pests. If the disease is not known apply to your inspector for information. Specimens of diseased fruit or leaves or other portions of trees or plants may be forwarded to your state experiment station without cost, where a careful microscopical examination will be made and the disease identified.

Arsenate of Lead



Owing to unsettled conditions the quotations made on spray materials are not guaranteed. Write for price, stating size and quantity wanted.

Powdered

Dry Powder Arsenate of Lead mixes quickly and easily; and is very adhesive. Dry Powder Arsenate is a light, fluffy powder that cannot freeze, dry out, cake or lose its strength.

Dry Powder Arsenate of Lead may be mixed with water and applied as a liquid spray or it may be used as a dust spray. If applied as a liquid spray it is usually used 1 pound to 1½ pounds to 50 gallons of water. For potato beetles and other insects that are hard to kill use two to three pounds to 50 gallons of water. ½ lb., 25c; 1 lb., 40c; 4 lb. pkgs., \$1.00; case of 12, 4-lb. pkgs., \$10.50; 2 cases, \$20.00.

BORDEAUX MIXTURE

Dry Bordeaux is a dry powder. Keep tightly closed and away from moisture as much as possible.

It stays in suspension well, adheres to the foliage and can be used in combination with Paris Green, Arsenate of Lead or other insecticides with an extraordinary degree of safety. 1 lb., 35c; 5 lbs., \$1.25; 25 lbs., \$4.00; 50 lbs., \$7.00; 100 lbs., \$13.50.

SPRA-MULSION

SPRA-MULSION is a high quality insecticide and scalecide.

For spraying dormant trees for Brown Apricot Scale, San Jose Scale, Aphis Eggs, Red Spider Eggs, Moss, etc., use from 12 to 16 gallons of SPRA-MULSION to make 200 gallons of dilute spray. Where the trees are badly covered with moss, it is advisable to add about 8 pounds of Caustic Soda to each 200 gallons of water. The Caustic Soda should be dissolved in the water first and the SPRA-MULSION added.

For Pear Thrips on Pear and Cherry Trees and Aphis on Apple and Cherry Trees, etc., before blooming use from 6 to 8 gallons of SPRA-MULSION and 1 pint of Black Leaf "40" to make 200 gallons of dilute spray. For spraying after the trees bloom, use 4 or 5 gallons of SPRA-MULSION and 1 pint of Black Leaf "40" to make 200 gallons of dilute spray. Dilute the Black Leaf "40" in the spray tank first; then add the SPRA-MULSION and do not agitate or stir after the materials have once been thoroughly mixed and are uniform.

Quarts, 40c; gallons, \$1.25; 5 gallons, \$4.50; barrels, \$26.00. Not mailable.



DRY LIME SULFUR

Containing Other Compounds

Directions: From ten to twelve pounds of Dry Lime Sulfur dissolved in fifty gallons of water should be used as dormant spray against scale, insects, etc. From two to three pounds to fifty gallons of water in combination with the usual proportion of Dry Arsenate of Lead should be used for summer spraying on all seed fruits, such as apples, pears, quinces, etc. From one to one and one-half pounds to fifty gallons of water in combination with the usual strength of Arsenate of Lead should be used for summer spraying of peaches, plums and all stone fruits.

Price, lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.00; 50 lbs., \$6.75; 100 lbs., \$11.50; 200 lbs., \$20.50. Not mailable.

Spreaders

What is known as a Spreader has been highly recommended the last few years to be used in connection with spraying, as it increases the adhesiveness of the spray and tends to give a more uniform coating, thus completely covering the surface. Price, lb., 30c; add postage.

Copper Carbonate

The remarkable effectiveness of Copper Carbonate as a fungicidal dust in the control of wheat smut is now well recognized by wheat growers generally.

Copper Carbonate possesses every requisite physical and chemical quality to insure maximum results. 99% will pass through a 200-mesh sieve, and in addition to being so light, fine and fluffy, has exceptional adhesive and covering properties. By analysis it shows:

Copper	54-55%
Equivalent to	
Basic Copper Carbonate.....	97-98%
Inert	2- 2%

Two ounces per bushel is sufficient to insure full coverage, though no harm will result if more is used. It causes no injury to germination.

Avoid inhaling the Copper Carbonate dust. The treated grain should not be fed to chickens or livestock.

See Respirator.

20-lb. keg, \$7.00; 250-lb. barrel, \$67.50. Not mailable.

As the use of insecticides and fungicides are beyond our knowledge and control and involving elements of risk to vegetation, we do not make any warranty, express or implied, as to the effect of such use whether or not used in accordance with directions or claims so to be.

Write for prices, stating size wanted.

Respirators



Made of suitable, specially prepared rubber with the contacting edge so shaped and tapered that the cup hugs any face, thus making all the air come in through the filter. Permits free breathing and does not interfere with vision.

For comfortable protection at dusty work, such as handling dry chemicals, dry colors, fac-ing, plaster, fertilizer, metallic powders, soap powders, and other dusty material.

Price, \$2.25.



Directions.

BARLEY—Put one pint in 40 gallons of water, dip barley in loose gunny sacks, soak for two hours: spread out and dry after draining.

OATS—Use one pint in 10 pints of water. This quantity, 11 pints, will treat 55 bushels at the rate of 1 pint to 5 bushels.

POTATOES—Use one pint to 15 gallons of water. Heat solution 118 degrees to 122 degrees Fahr. in tank with heater. Dip uncut potatoes for two minutes either in sacks or crates, then cover with canvas for an hour.

WHEAT—Put one pint in 40 gallons of water and follow directions given for barley, or any other plan that the farmer may prefer.

Price: Pints, 60c; quarts, \$1.00; gallon, \$3.50; 5-gallon can, \$16.50. Pints and quarts packed in glass. Gallons in glass or jugs. Packed carefully but safe delivery not guaranteed. Not mailable.

Bluestone

Used successfully in winter sprays, also used largely for the treatment of wheat to prevent smut. Lb., 25c, postpaid—use one pound to 5 gallons of water. If wanted in 100-lb. or barrel lots, market price.



For destroying slugs, cabbage and turnip flea, currant worms, etc. Lb. pkg., 30c; 5-lb. pkg., \$1.00; add postage.

Hammond's Grape Dust



To prevent mildew on roses, grapes and goose berries. Lb. pkg., 35c; 5 lb. pkg., \$1.25; add postage.



A Concentrated Solution of Nicotine-Solution (Poison)

For the convenient information of those desiring to use "Black Leaf 40" the following suggestions are made.

Against sucking insects, such as Green and Woolly Aphis, Pear Psylla, Grape Leaf Hopper, Pear Thrips, etc. 1 part "Black Leaf 40" to about 900 to 1,000 parts water.

Against more resistant plant lice, such as Black Aphis and Rosy Apple Aphis, 1 part "Black Leaf 40" to about 500 to 700 parts water.

The addition of one or two pounds of any good soap, or of Whale Oil soap, to each 50 gallons of water is often very advantageous. When using dissolve the soap in the water before adding "Black Leaf 40."

Price, 1 oz. bottle, 35c; 1/2 lb. tin, \$1.25; 2 lb. tin, \$3.50; 10 lb. tin, \$13.50. Not mailable.

Du Pont Semesan

Semesan Disinfectants have revolutionized seed disease treatment and represent the most remarkable advancement of the century in scientific agriculture.

This modern disinfectant comes in dust form and can readily be applied to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, plants, grafts and soil. Semesan is harmless to seed and plant life but extremely poisonous to disease and fungous organisms. It generally also hastens germination, produces sturdier plants, promotes earlier maturity and increases both the quantity and quality of crop yields.

DIRECTIONS

For most flower and vegetable seeds use one ounce of Semesan to each 15 pounds, but to dust field crops use two ounces per bushel for the large varieties of seeds or three ounces for the small kinds. Put the seeds with the Semesan dust in any convenient receptacle and shake or rotate for three to five minutes.

Possesses remarkable properties for sterilizing seeds, bulbs and roots and should be used to disinfect all field, flower and vegetable seeds.

also roots and bulbs before planting to destroy such disease germs and fungus spores as adhere to their surface coat or that may exist internally. Semesan will also prevent and control "damping off" of seedlings.

Price, 2 oz. tin, 50c; 8 oz. tin, \$1.60; 1 lb. tin, \$2.75; 5 lb. tin, \$13.00. Not mailable.

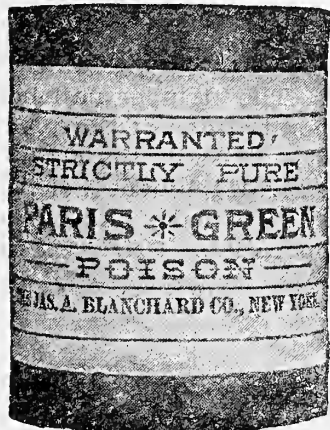
SEMESAN JR.—This modified form of the parent product, Semesan, is exclusively a dust disinfectant used principally for the ear, root and stalk rots of field and sweet corn but also for the treatment of cereal infections. Under government-conducted field tests, Semesan Jr. increased the crop yields from diseased field corn seeds by approximately twenty bushels to the acre and from similarly diseased sweet corn by as much as 47.7% with an average of practically 12%. 1 lb. tin, \$1.75; 5 lb. tin, \$8.00. Not mailable.

SEMESAN BEL—To meet the demand for a dust disinfectant, Semesan Bel was invented and can be applied in a few minutes to whole or cut seed potatoes, either as a dry powder or a whitewash-like water mixture. In widely separated potato-growing sections it has influenced quicker sprouting, earlier maturity and has caused greater yields and better disease-control than any other treatment known.

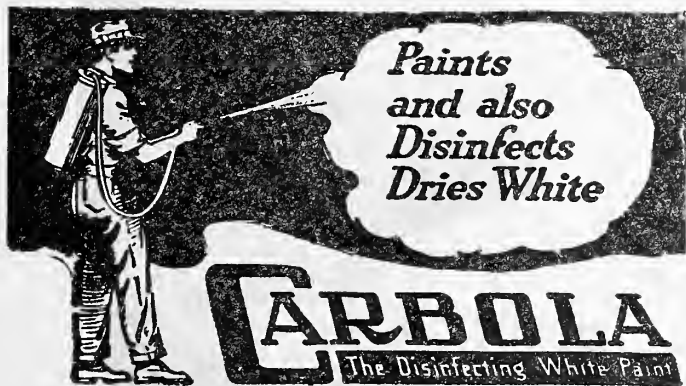
Dry seed potatoes may be most conveniently disinfected before cutting by gently rolling them and the Semesan dust together in a barrel or other cylindrical container for three to five minutes or until the tubers are thoroughly coated.

1 lb. tin, \$1.75; 5 lb. tin, \$8.00. Not mailable.

Vary the quantity of Semesan used per bushel of seed from two ounces for large and fairly clean potatoes to three ounces for small and badly scarred ones.



Pure Paris Green is dear at any price. Effective against all chewing insects. Price, 1/4s, 25c; 1/2s, 40c; 1s, 75c; 2 lbs., \$1.25; 5 lbs., 3.00. Not mailable.



Turns the whitewashing job into pleasant rainy-day work that can be done easily and quickly at a saving of time, labor and money.

THE POWDER OF MANY USES

Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects

and dries pure white. Does not flake or peel off. One pound covers 100 square feet.

IN THE CHICKEN HOUSE—To paint and disinfect side walls, ceilings, roosts and brooders. Helps keep the birds free from lice and mites and the buildings clean, light and sanitary. Sprinkle it in the nests and rub it into the birds. The dry powder is an excellent louse powder.

IN THE BARN—To paint and disinfect side walls, ceilings, stalls, etc., as an aid to cleanliness and prevention of tuberculosis, foot and mouth disease, and other contagious diseases. Spread the dry powder on floor where the cow stands. Use it as a louse powder. Wash hands with powder before milking.

Price, 10 lbs., \$1.75; 50 lbs., \$7.25; add postage.

Tobacco Dust

For green and black aphids, fleas, beetles. Lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.00; add postage.

All quotations on spraying material subject to change. If you want a quantity write for prices.

Woodlark Squirrel Poison



Requires no mixing preparation—always ready for use. When you buy demand the best. Get the "Woodlark" brand. Lb., 50c; 10 lbs., \$4.25. Not mailable.



GAS BALL RODENT KILLER—Pours forth a deadly poisonous gas that carries death to any living thing in the burrow. Although it means absolute destruction to the rodents, it is perfectly safe for the farmer to handle and cattle can not be injured or endangered by its use.

Directions

Keep the balls dry. If stored in a damp place or exposed to the damp air they are liable to absorb the moisture. If they should become

damp, dry them out well in a warm open oven for an hour or so before using.

Light the sharp edges of two Rodent Killer Gas Balls with a torch or match, and after the balls are ignited and burning freely, roll them as far as possible into the burrow. Cover the hole with sod and seal tightly so that none of the gas fumes can escape. Throw no fine dirt on the burning balls.

The limit of air poisoned by one treatment as mentioned is eight cubic feet.

Price, doz., 40c; 50, \$1.25; carton of 125, \$2.50; 500, \$9.25; 1,000, \$17.75. Carton weighs 10 lbs. Add postage.

FRUIT LADDERS

The Northwest is the old standby for fruit pickers because it is light and stands solid. No side swaying. The construction is so it braces each way from the heavy steel head block to the bottom braces, riveted to the sides and bottom steps. Brace rods under each step, with long washers. The third leg is all riveted to top, sides and head board. No bolts or nails to work loose.

Clear spruce, which is light and strong, in each ladder.

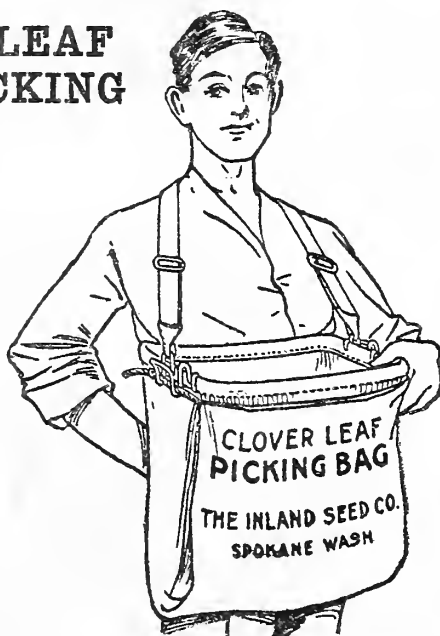
Made in 6, 8, 10 and 12 foot lengths.

Price, per foot, 60c.



CLOVER LEAF FRUIT PICKING BAG

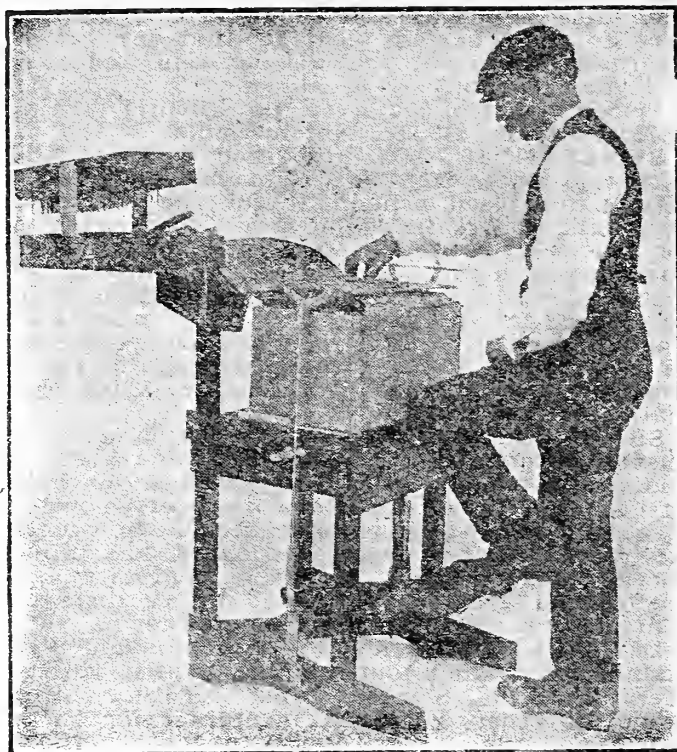
The Clover Leaf Picking Bag is constructed of heavy canvas with a spring steel frame at top. The lower end of the bag folds squarely back to the steel frame at the top. The lower portion of the sack being held securely by means of an ingenious fastener attached to the steel frame.



When one wishes to empty the filled sack, it is but the work of a moment to release the cords from the fasteners and the fruit may then be gently deposited in the boxes. Two broad shoulder straps insures comfort to the picker even when the sack is full. Both of the pickers' hands are free for his work.

Price, \$1.60. Weight, 3 lbs. Add postage.

Price subject to change.



All fruit growers sooner or later feel the need of a good, durable and handy **LID PRESS**.

SAVING TIME is just as essential in the packing house as it is in the shop or factory. A number of special features of the Edgemont Lid Press are time savers, which are quickly appreciated by the user. The stripper nail box delivering the nails all pointed down; the placing of the lids in position endwise by the clamping yoke; the little spring attachment holding the cleat in place, all tend to make nailing an easy, quick and simple operation. Price, \$28.00.

Price subject to change.

Nail Strippers

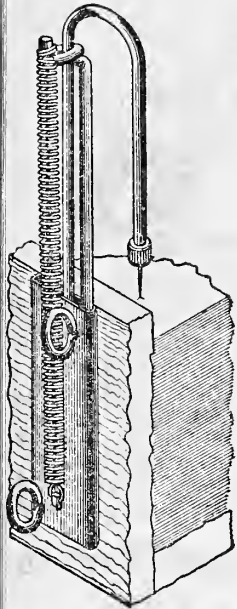


Self feeding. No time lost in keeping full. Adjustable. Handles all size nails from 2 d. to 10 d.

Smith's (cut). Price, \$10.50. Weight, 8 lbs. Add postage.

Paper Holder

A model of simplicity, handiness and usefulness. Saves paper and increases the speed of the user. An all-purpose holder and a necessity for every fruit packer. Holds from one to 1600 wraps. Neat, rust-proof and lasting. Folds up and can be carried in pocket. Price, \$1.00.



PRUNERS

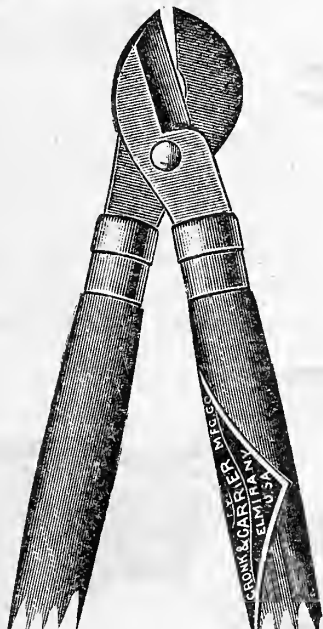
Bastian Pruner

The powerful lever of the Bastian Pruner enables one to do the same work in half the time and with half the labor that would be required with old-style Pruner.

Blades are of finished Damascus steel, very strong, and hold their cutting edge. Simple in construction, light, strong and durable.

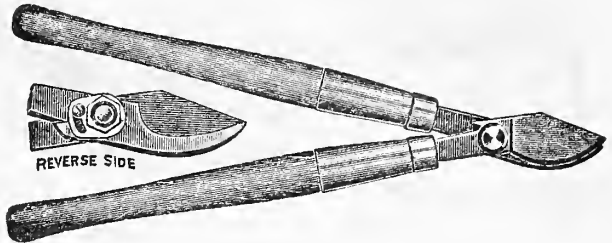
Price, 6 feet, \$1.75; 8 ft., \$2.00; 10 feet, \$2.25; 12 feet, \$2.50. Handle Slides, 30c each. Extra blades, 30c each. Blade Screws, 10c each.

Cronk's Wood Handle Pruning Shears



NO. 9½.

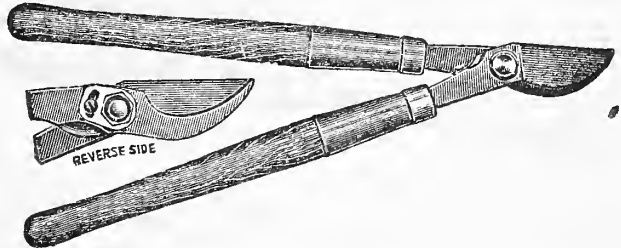
Steel ferrule. Notched hook (patented), prevents slipping, gives greater leverage, and makes cutting easier. No. 9½, 26 inches. Weight, 3 lbs. Price, \$1.75; add postage.



FRESNO PATTERN — Forged from high grade tool steel, finely tempered. Solid wrought steel ferrule. Has lock nut and can not work loose and ruin the shears. Riveted handle. Strictly high grade and has no equal.

No. 126—26 inches, weight 3 lbs. Price, \$2.50.

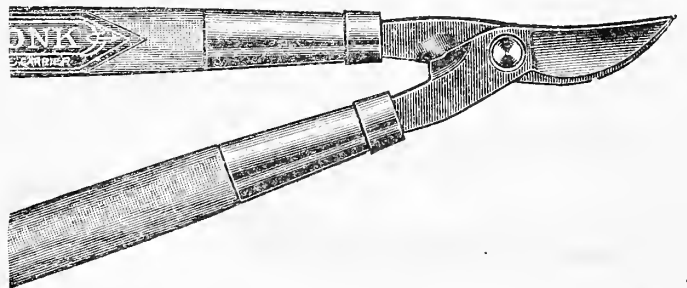
No. 130—30 inches, weight 4 lbs. Price, \$2.75. Add postage.



CRONK'S EXTRA HEAVY — Forged from high grade tool steel and finely tempered, wrought steel ferrule polished. Has the Cronk patent locknut and can not work loose and ruin the shears. Riveted handle.

No. 226—26 inches, weight 3 lbs. Price, \$2.75.

No. 230—30 inches, weight 4 lbs., Price, \$3.00.



Blades and hooks forged from special selected quality tool steel and tempered. Handles natural finish with 4-inch steel ferrule and cap finished in black enamel.

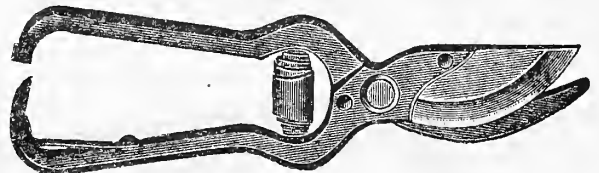
No. 326—26 inches; weight 3 lbs. Price \$2.50.

No. 330—30 inches; weight 4 lbs. Price \$2.75.

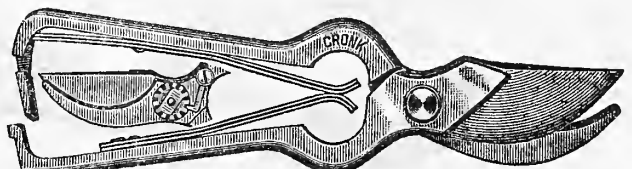
Add postage.

Pruner handles with ferrule. 20-inch, 50c; 24-inch, 55c; 30-inch, 60c each; weight 3 lbs. Add postage.

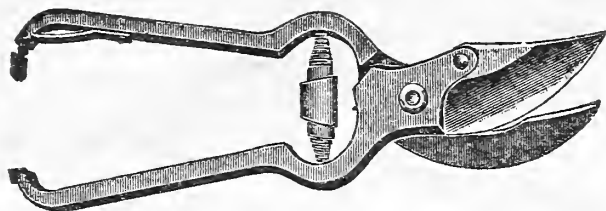
HAND PRUNES



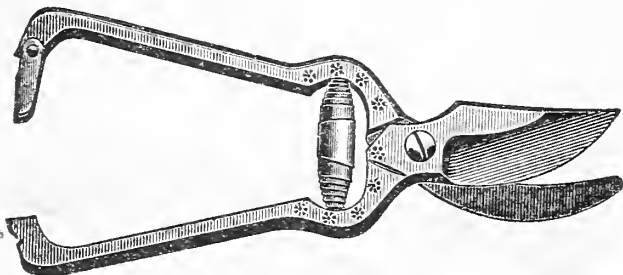
17—Length, 9 inches. Detachable polished tempered steel blade. Price, \$1.00; postpaid, \$1.10.



600—Forged from best cutlery steel, full polished, 8½ inches. Price, \$2.25; postpaid, \$2.30.



27—Length, 9 inches. Detachable blade of cutlery steel. Notched hook, forged from tool steel, full polished and tempered. Price, \$2.00; postpaid, \$2.05.

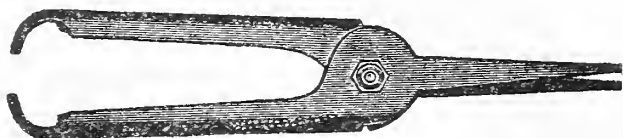


250—Forged from best cutlery steel. Nickel plated, 7 inches. Price, \$1.90; postpaid, \$1.95. Known as Rose or Ladies' Pruners.

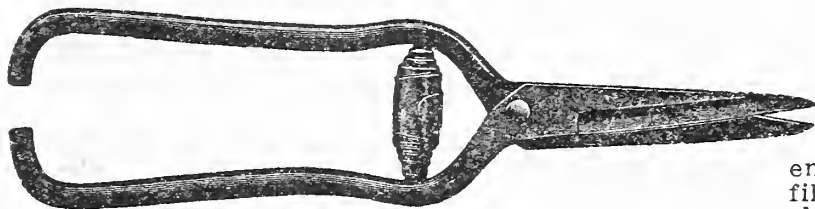
Springs

Volute springs for hand prunes. Each, 15c
Volute springs for No. 203, each 15c.
Springs for No. 101, each, 15c.

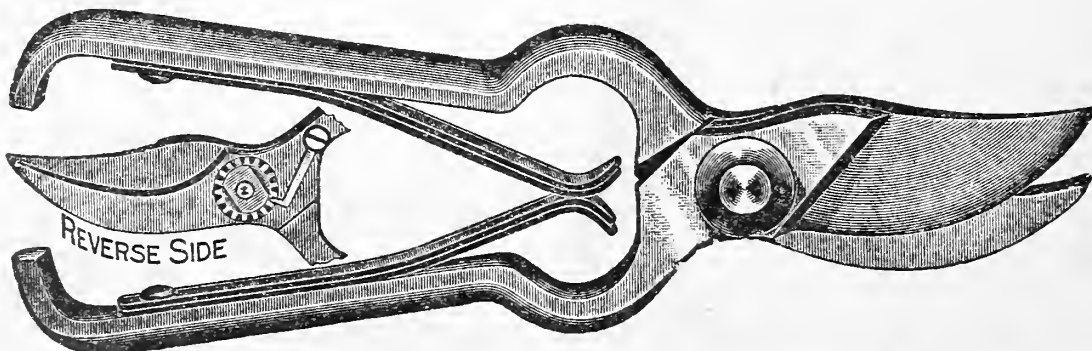
Grape or Thinning Shears



101—Length, 6½ inches. Made extra heavy. Price, 50c; postpaid 55c.



203—Same as 101, but longer and has volute spring. Price, 60c; postpaid, 65c.



No. 700—Ratchet nut. Brass spring. Extra quality steel Length, 8½ inches. Price, \$3.00; postpaid, \$3.05.

Saws

No. 10. Tapered Pruner



The frame is made of extra high quality spring steel, ⅝ of an inch wide and ¼-in. thick. The blade is extra high quality Pruning Saw steel, 16 inches long. The handle is ATKINS new easy grip pattern and is in popular favor wherever used. It is made of beechwood thoroughly seasoned, highly finished and polished on the edges, fastened to the frame by two brass screws. The blade is adjustable so that the Saw will cut at any angle. Price, \$2.50; postpaid, \$2.60. Extra blades, 40c; postpaid, 50c.

No. 1. Atkins Table and Pruning Saw



The blade tapers from 2⅝ inches to 1 inch, and is made of genuine Silver Steel. The finest steel that has ever been used in saw blades. The handle is of hardwood, finely finished, polished edge. Blade is 18 inches long.

Price, \$1.50; postpaid, \$1.60.



NO. 4

The blade is heavy-gauge and is of Atkins High-Grade Special Steel, tempered very tough and hard, but not brittle. The handle is of thoroughly seasoned hardwood, handsomely carved, varnished and polished; fastened to the blade by three brass screws and a medallion.

Price, \$2.00; postpaid, \$2.10.

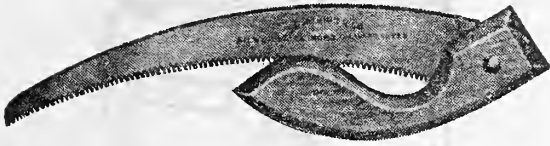
No. 3. Duplex Pruner



Made of Atkins Silver Steel, specially hardened and tempered. Will require very little re-filing. Toothed on one edge with tuttle shaped teeth for extra heavy coarse work and with fine tooth on the opposite edge for fine cutting. The handle is of thoroughly seasoned, air-dried applewood, finely finished, varnished edge. Easy Grip Pattern, fastened to the blade by three brass screws. Length, 18 inches.

Price, \$1.90; postpaid, \$2.00.

No. 18 Folding



This is similar to the No. 13, except it is supplied with a folding handle, enabling the user to turn the tooth edge down for the purpose of putting in pocket. Made of silver steel, highly polished. Peg teeth pitched back so as to be right angle at cutting edge. Blade 14 inches long. Plain sanded beech handle. Nickel screw. Price, \$1.35; postpaid, \$1.45.

No. 13. California Pruner

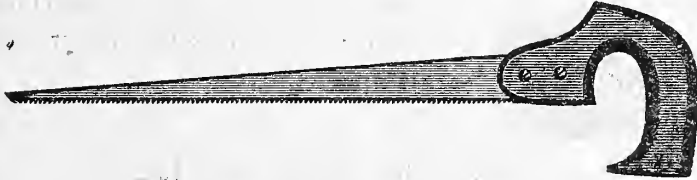


The blade is of the finest quality Silver Steel which is superior to any other sawsteel. The curved blade makes cutting easy. The handle is of highly finished applewood. Blade is 14 inches long. Price, \$1.35; postpaid, \$1.45.



Nest No. 1

We recommend this set for general purposes. It consists of a keyhole, compass and pruning saw blade and handle as illustrated. Price, \$2.25; postpaid, \$2.35.



No. 8—The blade is heavy gauge and is of high-grade special steel tempered tough and hard, but not brittle. The handle is of thoroughly seasoned hardwood, handsomely carved, varnished and polished; fastened to the blade by three brass screws and a medallion blade 14 inches in length. Price, 60c; postpaid, 70c.

Knives

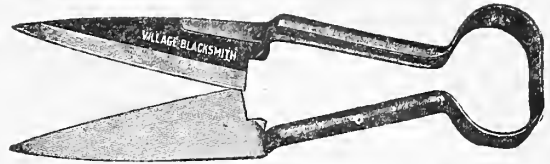
ASPARAGUS KNIFE—Specially designed for cutting asparagus below the surface. Well and strongly made. Price, 50c; postpaid, 60c.

Planet Jr. No. 2 Lawn Edger



Neat, good looking lawns require that the edges be trimmed frequently. The No. 2 Planet Jr. Lawn Edger does this work satisfactorily and quickly. Should be a constant companion to your lawn mower and, after using it once, you will wonder how you ever did without it. Price, \$1.75. Weight, 4 lbs. Add postage.

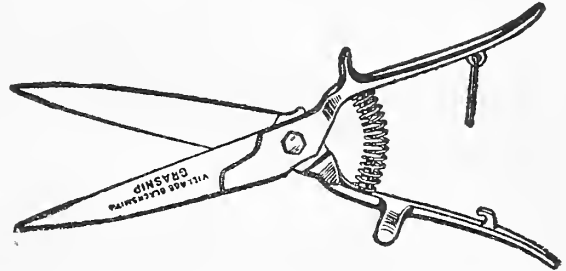
Grass Shears



NO. V52—With Trowel shank. Cutlery steel. 6-inch blade. Green enameled spring with full polished handles and cutting edges. Price, 75c; weight, 1 lb.; add postage.

NO. V2—Green enameled handle and spring. Full polished edges. With straight shank. Price, 60c; weight, 1 lb.; add postage.

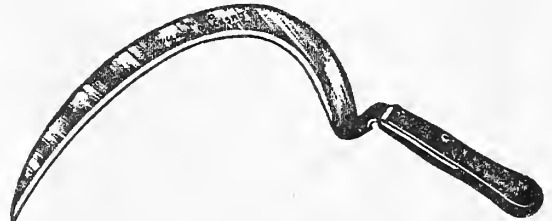
Grasnip



NO. 1 GRASNIP—A practical all-around shear, for grass, vines, light shrubbery, etc., 6-inch cutlery steel blades; malleable red enameled hand grip. 12 inches over all. Price, \$1.00. Weight, 2 lbs. Add postage.

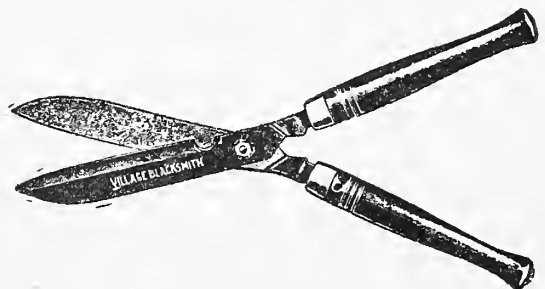
NO. 2 GRASNIP—Green enameled hand grip, semi-finish blades. Price, \$1.25. Weight, 2 lbs. Add postage.

Grass Hook



Patented offset. Swings perfectly in the hand with little muscular effort. Forged cutlery steel. Tempered, ground sharp and whetted. Oil finish maple handle. Price, 75c; weight, 2 lbs.; add postage.

Hedge Shears



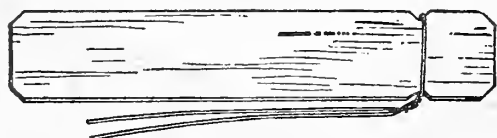
NO. 800—Forged mill finished tool, steel tempered. 8 inch blades, 9 inch handle. Clear selected stock handles, riveted through heavy enameled ferrules, insuring absolute security. Best material and workmanship. A superior tool. Price, \$2.50; weight, 4 lbs.; add postage.

NO. 880—Serrated, 8-inch blade, 9½-inch handle. A lighter, quicker cutting shear made for new growth hedge, topping shrubs and grass. Cutlery steel blades riveted to green enameled malleable tangs. Price, \$2.50. Weight 3 lbs. Add postage.

Labels



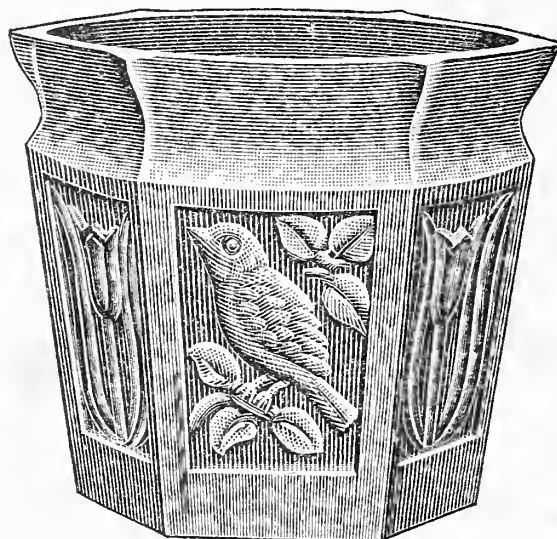
	Size	100	500	1000	Weight Per 1000
Pot, Plain	.....4x5/8	\$0.30	\$1.25	\$2.00	5 lbs.
Pot, Plain	.....5x5/8	.35	1.50	2.50	6 lbs.
Pot, Plain	.....6x5/8	.40	1.75	3.00	8 lbs.
Pot, Painted	.....4x5/8	.35	1.50	2.25	5 lbs.
Pot, Painted	.....5x5/8	.40	1.75	2.75	6 lbs.
Pot, Painted	.....6x1/2	.45	2.00	3.25	8 lbs.



Tree, plain, cop-					
per wired	.....3 1/2 x 5/8	.40	1.50	2.75	6 lbs.
Tree, painted, cop-					
per wired	.....3 1/2 x 5/8	.45	1.75	3.00	6 lbs.

Add Postage

Water-proof Jardinieres



The Sunlite Jardiniere is molded in one piece by a laminated process of water-proof "Cellulite" and is light and unbreakable. Holds water indefinitely. Does away with overflowing saucer. It's soft texture avoids scratching furniture or window sills. Measures 7 1/8 inches diameter at top, 4 7/8 inches diameter at bottom, 6 7/8 inches deep. Will hold 5, 5 1/2 and 6 inch pots. Bottom has two raised panels on which potted plant rests. This permits free drainage of water through bottom of clay pot and allows bottom to dry and air to circulate. Price, 50c. Weight 2 lbs. Add postage.

Beeswax

Put up in pound cakes.
Price, 60c; postpaid, 70c.

Grafting Wax

One-fourth lb., 20c, postpaid, 25c; 1/2 lb., 30c, postpaid, 35c; 1 lb., 50c; postpaid, 60c.



For use on trees, shrubbery, etc., to stop bleeding of sap after pruning, and prevent worm-boring. Used extensively by large nurseries and fruit growers.

Directions: Best results are obtained by applying Pruning Compound at the time pruning is done. Quarts, 75c; gallon, \$2.50. Not mailable.

Raffia

Natural color, for nursery work. Price, 1/4 lb., 15c; 1/2 lb., 25c; 1 lb., 40c; postpaid.



Please note the construction of the basket here shown and you will readily see that the different wires are electrically welded together, thus forming a solid construction, making all parts equally durable, and thus making it impossible for it to fall apart.

10-inch, 35c; 1/2 doz., \$1.75; doz., \$3.25.
12-inch, 40c; 1/2 doz., \$2.25; doz., \$4.00.
15-inch, 50c; 1/2 doz., \$2.75; doz., \$5.00.
Mailing weight 10 and 12 inch, 2 lbs.; 15-inch, 3 lbs. Add postage.

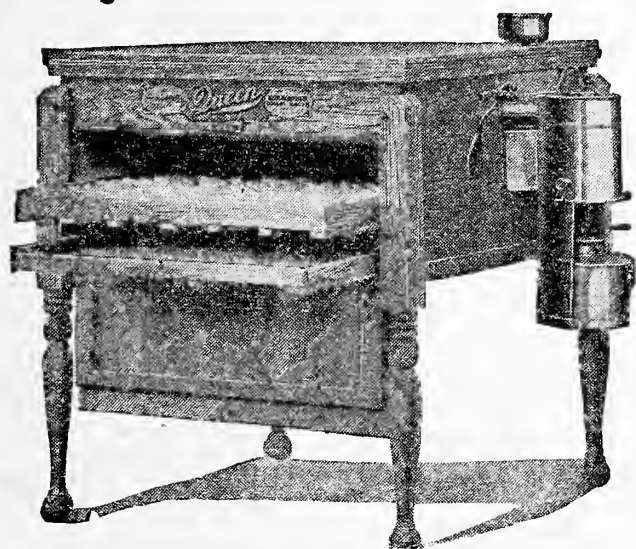
PLANT A
GARDEN

Poultry Department



No. 25. Capacity 600.

QUEEN INCUBATORS



No. 2—Capacity 135

Queen Incubators are famous the country over for big hatches of strong, healthy chicks.

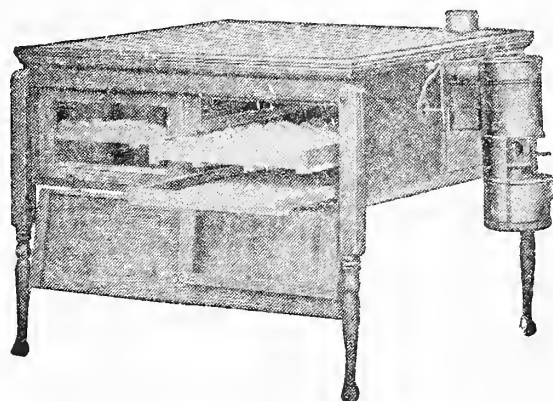
Provides uniform heat over egg chamber that is most natural for the hatching eggs.

The Queen is doubly insulated. First, double walls of California redwood is used, thus forming a dead air space. Second, corrugated straw-board is used between the wooden walls.

Boiler and radiator of the Queen heating system is made of copper (not copperized tin), and placed close to the inner top of the incubator. This form of placing allows the heat to reflect from the floor of the egg chamber and to more evenly affect the germ which always rises to the upper surface of the yolk.

	Western Price List	Our Prices
No. 1—85-egg size,	\$30.50	\$25.00
No. 2—135-egg size,	\$41.00	37.50
No. 3—180-egg size,	\$48.25	42.00
No. 4—275-egg size,	\$62.50	55.00
No. 5—400-egg size,	\$73.75	65.00
No. 25—600-egg size,	\$116.00	100.00

Style K Incubator



Western Price List Our Prices

No. 20—70-egg size,	\$18.00	\$13.50
No. 21—130-egg size,	30.75	22.50
No. 22—220-egg size,	40.50	29.50

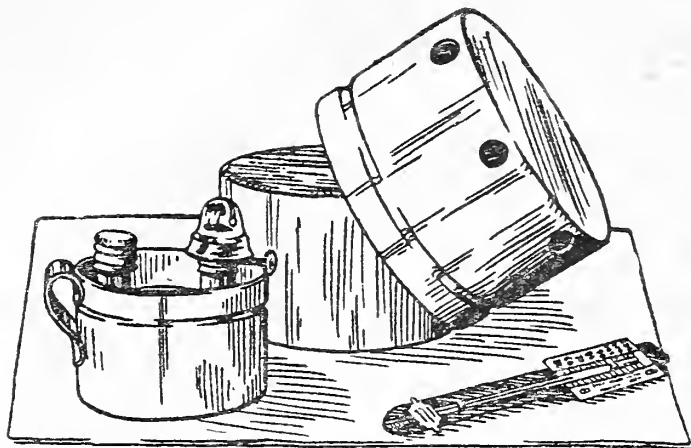
Style K Incubators are constructed of double wall redwood. The top of the machine is re-lined with insulation. The heater and pipes are made of aluminoid. The machine is equipped with the same expansion cup and thermometer as the regular Queen.

The regulator is the same as the Queen, except of lighter construction, and has a three-inch steel wafer.

Common Sense Brooder Fixtures

To those who wish to make their own brooders, we highly recommend the "Common Sense" Brooder Fixtures. These fixtures include an upper and lower drum. Inland Safety Lamp and Thermometer. The construction of the brooder is simple and the air circulation perfect. For outdoor use the walls should be double and the roof included and covered with roofing.

Marvel Brooder Stoves

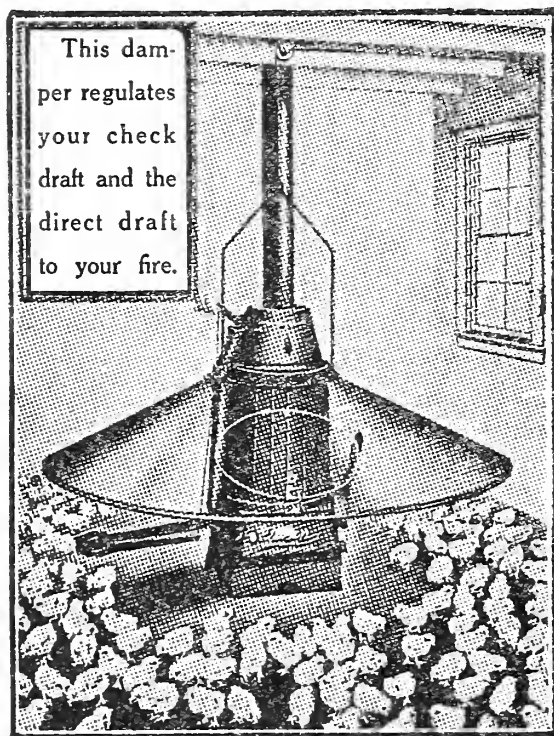


Top Removed, Showing Location of Hover and Heat Retainer.

Manner of Construction—First, put in a tight floor 9½ inches from the bottom of brooder. Then mark and saw out size of larger drum on this floor (using drum as pattern), 12 inches from center of side of brooder to center of drum. Secure drum in place, then nail one-inch cleats, two feet square under and around the drums, cutting out a two-inch hole from cleat and side of brooder to allow air circulation. Nail the lower drum up on these cleats. Bore sufficient holes through two sides of brooder, under this floor, to carry off fumes and furnish air for lamp. For the hover nail thin boards together, making it two feet square. Around this tack oilcloth wide enough to reach floor when hover rests on drum. Set the lamp under center of drum. Price, \$6.00.

No. 32, 3¼-inch chimney, 1-inch wick. Price, 60c; postpaid, 65c.

BROODER STOVES



Queen Brooder Stove.

A Brooder Stove is just what is needed to keep the house comfortable for the early chicks.

The hover is galvanized steel, and can be readily raised or lowered. They are efficient and satisfactory in every respect; need little attention and can be operated almost under any condition, and are very cheap when you consider the number of chicks they will care for.

No. 1—42-inch canopy, 500 chicks, \$19.75.



The highest type of constructive excellence is maintained in MARVEL Brooders. The grates and fire chamber are designed to produce the greatest heating power from a given quantity of coal. On the slightest temperature variation the Synchronized draft and check guarantees automatic thermostatic regulation. Equally adapted for hard or soft coal.

This brooder is fitted for a four-inch pipe.

No. 2—52-inch canopy, 1,000 chicks. \$25.75.

Leahy Brooder Stove

The Leahy stove is well made, strong and durable and will, without doubt, give satisfactory results.

No. 3—52-inch canopy, 1,000 chicks. Price, \$22.75.

Pipes—Elbows

No pipes or elbows furnished with stoves. Order as many lengths of pipe as you need, also elbow if needed, and add to price of stove.

3-inch caps, 50c.

3-inch pipe, 25c.

3 to 4-inch pipe, 35c.

4-inch pipe, 35c.

4-inch caps, 50c.

3-inch elbow, 40c.

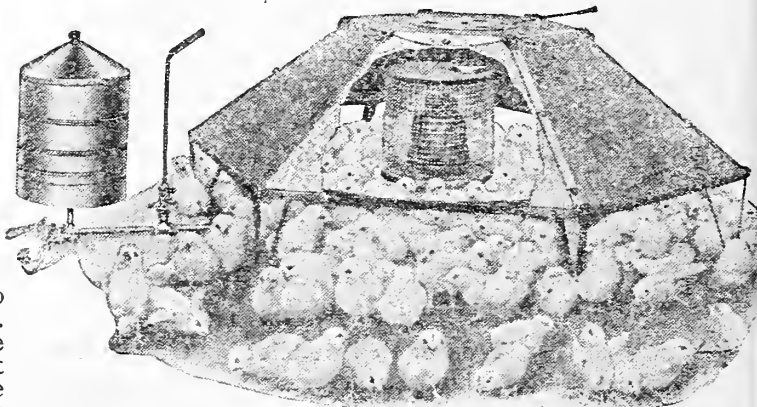
4-inch elbow, 50c.

3-inch roof plate, 60c.

4-inch roof plate, 60c.

When ordering pipe, caps, elbows or roof plates, be careful and specify whether you want three or four inch. Our 3 to 4 inch pipe is 3 inches at one end and 4 at the other, thus making it possible to use a 4-inch pipe on a stove with a 3-inch opening.

Sol Hot Brooder Stove

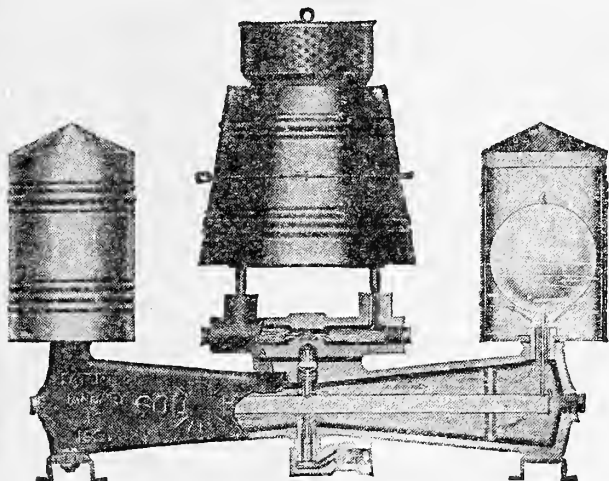


New Standard Sol-Hot Brooder

The new improved Sol-Hot embodies the fundamental principles that are absolutely necessary in a heater for the successful hatch-

ing and rearing of chicks. It is the one heater on the market that is absolutely automatic. Once the burner is lighted it cannot go out as long as there is oil in the oil supply tank.

AUTOMATIC TWIN-FLOAT OIL LEVEL



Positively the greatest invention ever applied to an oil burning wickless brooder. This automatic oil level means more peace of mind than anything that has ever been invented in brooder equipment.

You never have to give the question of oil level a moment's thought—the twin-float takes care of that automatically. You set the Sol-Hot anywhere, level, tilted or on an angle—it makes no difference; the twin-float oil level automatically levels the oil in the burner well and keeps it at the proper level all the time, regardless of any uneven or unfavorable floor conditions.

The twin-float oil level is set and adjusted at the factory and is permanent—it never has to be changed or touched again.

DOUBLE-FEED WICKLESS BLUE FLAME BURNER

This wonderful burner converts common kerosene into gas, producing the most intense, steady, uniform, blue flame without smoke, soot, or fumes. It has no wick to trim or carbonize—it won't burn uneven—it won't overflow—it won't flare up on one side—it won't go out as long as the oil supply lasts.

Heretofore, the oil well had only one feed tube. This season it has two—one at each side, thus giving a better distribution of the oil flow and making it possible to operate a lower flame than on former models.

The Sol-Hot burner has been recognized as the most efficient wickless burner on the market—requires the least attention—burns most even flame. With the improvements this season, it is practically perfect.

OIL CONTAINER CAN BE PLACED ANYWHERE

Here's a big advantage in the new 1927 Twin-Float Sol-Hot. You can have it close alongside your brooder or you can set it up on a shelf, out of the way, or you can put it outside the brooder house. The location of the oil container does not affect the operation of the burner. If you operate more than one brooder you can attach them all to one oil container.

A small copper tube is used to connect oil container to the burner and as the Twin-Float Oil Level takes care of keeping the oil level at the burner you can put your oil container where it will be most convenient for you.

The Sol-Hot Oil container is made of non-rusting terne plate steel; it is absolutely leak proof and has a capacity of two gallons of oil.

Canopy—	Capacity.	Price.	Weight.
24-inch	100	\$13.75	30 lbs.
34-inch	275	19.50	50 lbs.
44-inch	500	23.50	60 lbs.
54-inch	1000	26.00	70 lbs.

Add postage.

CANOPIES ONLY.

	Price.	Weight.
44-inch	\$12.50	32 lbs.
54-inch	15.00	35 lbs.

Add postage.

GIANT SOL-HOTS

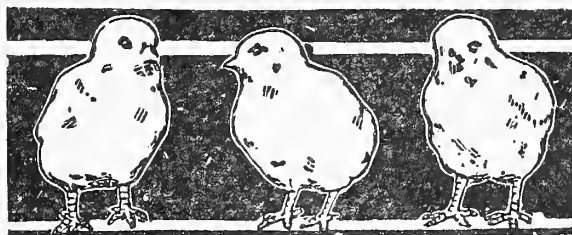
54-inch	\$29.00
64-inch	32.00

Giant Sol-Hots will not go by parcel post.

NEW GIANT SOL-HOT HEATER

To replace coal burning brooder stoves; can be shipped by express or freight only. Price, \$18.50.

Day Old Chicks



We have made arrangements with the Queen Hatchery of Seattle to supply us with White Leghorns, Barred Plymouth Rocks, and Rhode Island Reds.

It is unnecessary for us to refer to the quality of stock carried by the Queen Hatchery, as this concern is so well and favorably known throughout the entire Northwest.

These chicks will be shipped direct from the Queen Hatchery thus avoiding delay in transit. If you want these expressed to a station where there is not an agent it will be necessary for you to send additional to cover express charges. Send order and your remittance direct to us, giving date at about when you want them shipped. We will immediately forward order and have it booked for shipment at the time specified. It is advisable to place your order ahead, as by doing so there is much less likelihood of being disappointed.

World's record strain of White Leghorns, \$20.00 per 100; for shipment during February March and April after May 1. \$17.00.

100% tested White Leghorns, \$18.00 per 100; for February, March and April shipments, and \$14.00 for May and June shipments.

100% tested Plymouth Rocks and Rhode Island Reds, \$20.00 per 100 for February, March and April shipments, and \$17.00 for May and June shipments.

Non-tested Rocks and Reds, \$18.00 per 100 for February, March and April shipments. Shipments after May 1, \$16.00.

In lots of 50 all chicks half a cent higher, and in lots of 25 and additional half cent.

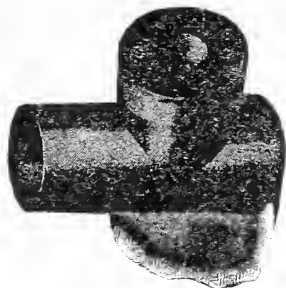
If chicks are ordered forwarded by parcel post, remittance must include postage. Any excess postage allowed will be returned.

"Tycos" Incubator Hygrometer



Millions of chicks die in the shell every year for the want of proper moisture conditions. The "Tycos" Incubator Hygrometer is not a regulator of moisture, but is an indicator of conditions, so that if not correct, they may be made so. Each, \$1.75; postpaid, \$1.85. Hygrometer wicks, each 25c.

We pack thermometers and all glassware in as safe a manner as possible, but will not be responsible for their safe delivery, owing to the great risk of breakage.



X-Ray Egg Tester

It is designed for use on an ordinary hand lamp. In a dark room the light will be strong enough to penetrate the shell and illuminate the interior of the egg. Price, 50c; postpaid, 55c.

Lamps

Order all lamps by number.



No. 3 Incubator lamp, with burner and wick. No. 3 burner, $3\frac{1}{4}$ inches diameter; $1\frac{1}{2}$ -inch wick. Height of lamp bowl $3\frac{1}{4}$ inches; diameter $8\frac{1}{4}$ inches. Price, \$1.75; postpaid, \$1.85. If chimney wanted add 50c.

No. 4 Incubator lamp, with burner and wick; No. 2 burner, $2\frac{1}{2}$ inches diameter, 1-inch wick; height of lamp bowl, $2\frac{5}{8}$ inches, diameter 7 inches. Price, \$1.50; postpaid, \$1.60. If chimney wanted add 50c.

No. 5 Brooder lamp, complete with burner, wick and chimney; No. 3 burner, $3\frac{1}{4}$ inches diameter; $1\frac{1}{2}$ -inch wick; chimney, $3\frac{1}{4} \times 6$ inches; height of lamp bowl, $3\frac{1}{4}$ inches; diameter, $8\frac{1}{4}$ inches. Price, \$2.00; postpaid, \$2.10.

No. 6 Brooder lamp, complete with burner, wick and chimney; No. 2 burner, $2\frac{1}{2}$ inches diameter; 1-inch wick; chimney, $2\frac{1}{2} \times 5$ inches; height of lamp bowl $2\frac{5}{8}$ inches; diameter, 7 inches. Price, \$2.00; postpaid, \$2.10.

No. 7 Brooder lamp, complete with burner, wick and chimney; No. 32 burner, $3\frac{1}{4}$ inches diameter, 1-inch wick; chimney, $3\frac{1}{4} \times 3\frac{1}{4}$ inches; height of lamp bowl, $3\frac{1}{4}$ inches; diameter, $8\frac{1}{2}$ inches. Price, \$2.00; postpaid, \$2.10.

No. 8 brooder lamp. The Inland Safety Brooder lamp requires no chimney; never smokes, burns a steady flame. The air fingers carry fresh air direct to the flame. This gives perfect combustion and more heat for a given amount of oil than with any other burner. Top of lamp is made to hold water, and it is essential to keep water there owing to heat being reflected back upon the lamp. Weight, 2 lbs. Height of bowl, $4\frac{1}{4}$ inches; diameter, $7\frac{1}{4}$ inches. Price, complete with burner and wick, \$1.75; postpaid, \$1.85.

Lamp Bowls

For Incubator or Brooder to take No. 3 burner. Bowl, $3\frac{1}{4} \times 8\frac{1}{4}$ inches. Price, \$1.00; postpaid, \$1.10.

For Incubator or Brooder, to take No. 2 burner. Bowl, $2\frac{5}{8} \times 7$ inches. Price, \$1.00; postpaid, \$1.10.

For Incubator or Brooder to take No. 2 or 3 burner. Bowl, $3\frac{1}{4} \times 8\frac{1}{2}$ inches. Price, \$1.00; postpaid, \$1.10.

Lamp Burners

No. 2 Sunburner. Price, 60c; postpaid, 65c.

No. 3 Sunburner. Price, 75c; postpaid, 80c.

No. 1 Zenith, no chimney, $\frac{3}{4}$ inch wick. Price, 60c; postpaid, 65c.

No. 2 Zenith, no chimney, 1 inch wick. Price, 70c; postpaid, 75c.

No. 32, $3\frac{1}{4}$ inch chimney, 1-inch wick. Price 60c; postpaid, 65c.

Lamp Chimneys

Chimney, $2\frac{1}{4} \times 5$ inches, for No. 2 burners. Price, 50c; postpaid, 55c.

Chimney, $3\frac{1}{4} \times 6$ inches, for No. 3 burners. Price, 50c; postpaid, 55c.

Chimney, $3\frac{1}{4} \times 3\frac{1}{4}$ inches, for No. 32 burner. Price, 50c; postpaid, 55c.

Lamp Collars

For No. 3 and No. 2 burners, 10c each.

Lamp Wicks

No. 1, 2, 3, 5c each; 50c dozen.

Queen Incubator Parts

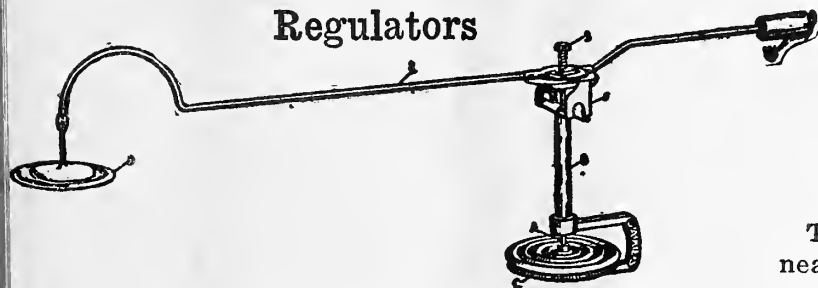
	Size.	Burner.	Wick.	Price.
No. 9 Lamp, complete	6x4	3	1½ inch	\$2.50
No. 10 Lamp, complete	6x2 9-16	2	1 inch	2.00
No. 11 Lamp, complete	6x2 9-16	32	1 inch	2.00
No. 9—Bowls only; 6x4				\$1.25
No. 10—Bowls only. 6x2 9/16				1.25
No. 11—Bowls only; 6x2 9/16				1.25
Regulator, complete, Model C				\$3.50
Damper lever, complete				1.75
Damper lever only				1.00
Damper				.35
Wafer Thermostadt				1.25
Connecting Rod and Burr				.50
Expansion cup, ½-inch				.75
Expansion cup, ¾-inch				.75
L Chimney, (state Incubator)				.50

Queen Brooder Parts

Regulator, complete	\$5.00
Regulating Arm, upper	2.00
Regulating Arm, lower	1.25
Damper only	1.25
Damper Guard	.50
Wafer Thermostadt	1.00

Add 10c to each of above for postage.

Regulators



In this Regulator the wafer is inverted and as it expands it acts through the short lever beneath it on the connecting rod, and the down pull of the connecting rod so moves the top lever as to lift the damper. Accurate adjustment is secured through the adjustment nut and the upper end of the connecting rod. Weight, 1 lb. Price, \$2.50; postage paid, \$2.60.

Wafer for this regulator. Each, \$1.00; postpaid, \$1.10.

Wafer Thermostat



The Wafer Thermostat is made of two round concave discs, sealed together at the outer edge. The cavity between them is filled with a volatile liquid which is very sensitive to changes in temperature. Price, 75c; postpaid, 85c.

Leg Bands



Champion—This band is made in one piece, is adjustable to fit any fowl. They will stay where you put them. Held by double lock, it is impossible for them to lose off. Made of aluminum. Postpaid, 12, 15c; 25, 25c; 50, 40c; 100, 75c.

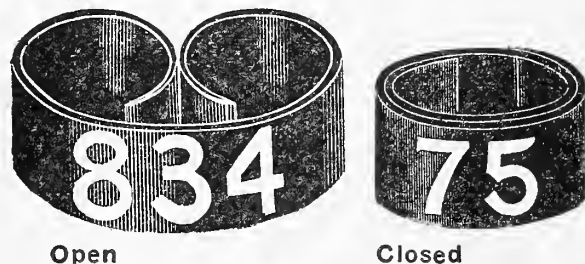


SPIRAL COLORED

Made like a key ring, easy to put on. Birds identified easily on account of the different colors. Carried in white, green, black and pink for the following breeds: Asiatics—Brahma, Orpington and Langshans. Americans—Plymouth Rocks, R. I. Reds and Wyandottes. Mediterranean—Leghorns, Minorcas and Anconas. Price: 12, 15c; 25, 25c; 50, 40c; 100, 60c, postpaid.

Pigeons. Price: 12, 15c; 25, 25c; 50c, 40c; 100, 60c, postpaid.

Bandettes



COLORED CELLULOID LEGBANDS

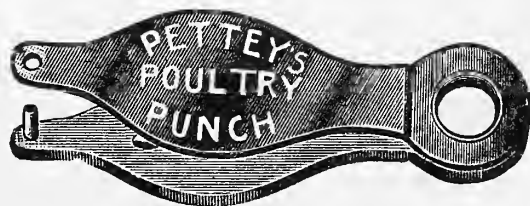
The ends being beveled give the Bandette a neat and jointless appearance, leaving nothing projecting to catch in wires, hedges, etc.

The inside being smooth, Bandettes can not hurt or chafe the legs of the birds.

Bandettes are strongly made, will not become uncoiled and having a smooth, plain surface, do not get clogged with dirt to obscure the colors and numbers. The colors are not affected by weather, are always bright and distinctive. Bandettes being made of special quality material for the purpose, the bands spring back to their original size after being opened out to put on bird's legs.

Two sizes. No. 9 Leghorns. No 11 Rocks, etc. Colors: Red, Yellow and Green. Price, doz., 40c; 25, 75c; 50, \$1.25; 100, \$2.25.

Petty's Poultry Punch

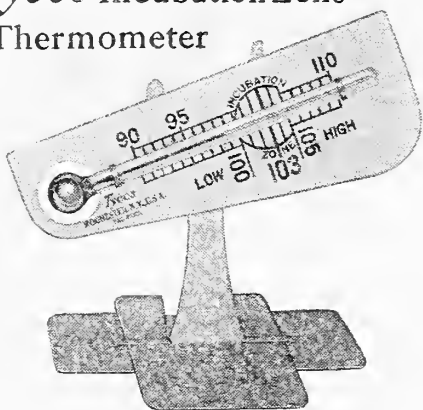


Latest, most convenient Poultry Punch; will not clog. Thoroughly practical. Postpaid, 25c.

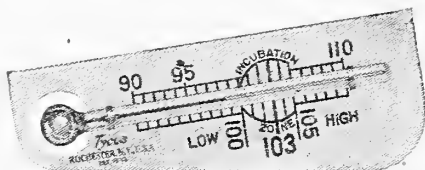
Incubator Thermometers

No. 5776

Tycos Incubation-Zone
Thermometer



When used with Stand

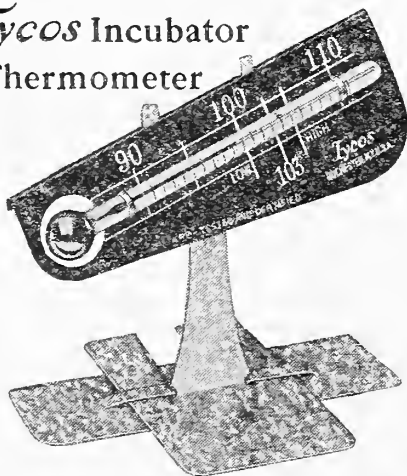


When used without Stand

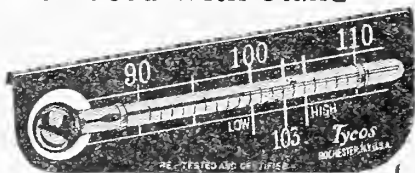
5776—TYCOS INCUBATION-ZONE — 4-inch white-enameled metal scale with black figures and graduations; plain glass tube filled with distilled mercury; metal scale is flanged on top edge to hook over wire or metal strip if used without the stand which accompanies each thermometer; circle between the 100° and 105° points on the scale makes it easy to note whether the incubation temperature of 103° is being held. Price, \$1.00; postpaid, \$1.10.

No. 5783

Tycos Incubator
Thermometer

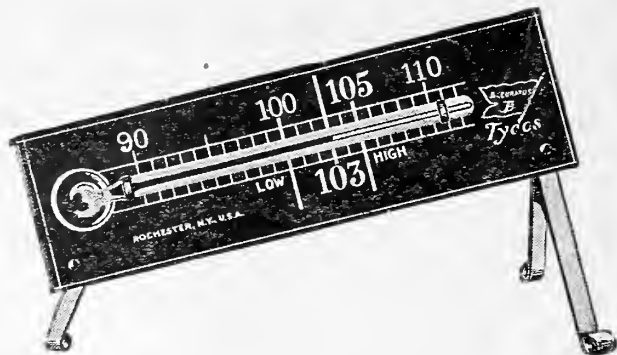


When used with Stand



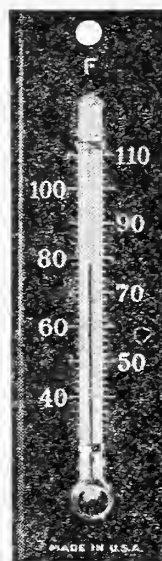
When used without Stand

5783 — TYCOS CERTIFIED — Angle-pattern 4-inch black oxidized metal scale with white-filled figures and graduations; plain glass tube filled with distilled mercury; every fifth line and figures stamped on the scale and every single degree line engraved on the glass thermometer tube; metal scale is flanged on upper edge to hook over wire or metal strip if used without the stand which accompanies each thermometer. Price, \$1.25; postpaid, \$1.35.



5770—TYCOS INCUBATOR—4-inch black oxidized metal scale with white, filled figures and graduations; plain glass tube filled with distilled mercury; adjustable brass legs which stand among the eggs. Price, \$1.00; postpaid, \$1.10.

Brooder Thermometers



5794



5792

No. 5794—Brooder thermometer. Black lithographed metal scale, 4½ inches long, plain mercury filled tube. Ordinary grade. Price, 75c; postpaid, 85c.

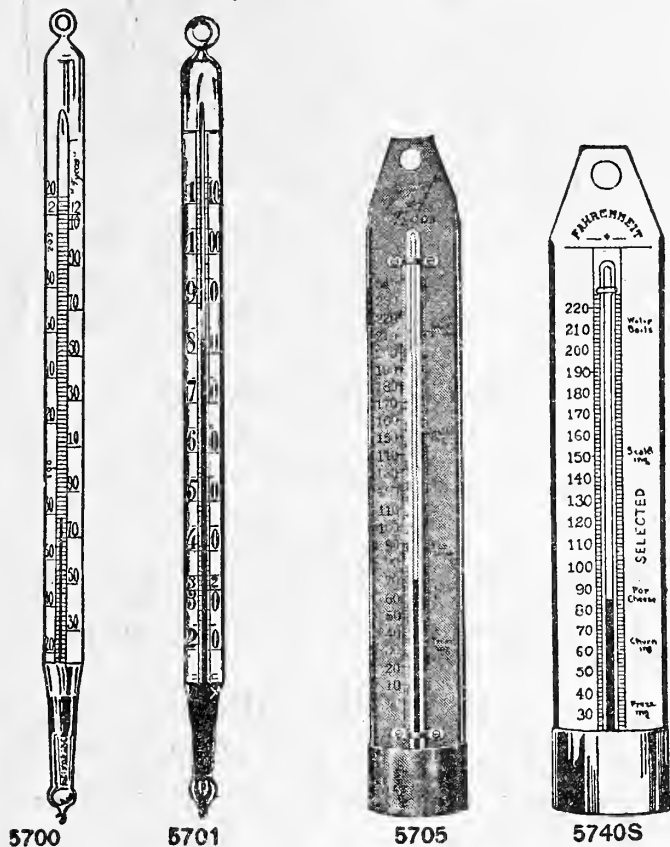
No. 5792—Is what is known as mounted brooder thermometer and is designed for inserting through a hole in the top of the brooder, the bulb being in the actual brooder temperature, and the scale outside for easy reading. Black lithographed metal scale, mercury filled tube, mounted on flat side of half-round wood frame. Length over all, 7 inches. Bulb protected by a tin guard. Ordinary grade. Price, \$1.00; postpaid, \$1.10.

We Especially Recommend

Hearts of Gold Muskmelon and

New York Lettuce.

Dairy Thermometers



Flanged Metal Scale

No. 5740S—Selected Ordinary Grade. Brass scale with engraved figures and graduations sliding bulb guard; white back, permacolor filled tube; approximate temperature range 20° to 220° F.; length, 8 in. Price, \$1.00; postpaid, \$1.10.

5705—Flanged, metal scale Churn and Pasteurizing. Ten-inch electro silver plated scale, gold plated straps and screws, magnifying mercury filled tube, sliding guard; approximate scale range, zero to 220° F., 10 inches. Selected common grade. Price, \$2.00; postpaid, \$2.10.

Glass Floating, Best Grade

5700—Churn Thermometer, glass cylinder, hand written paper scale, 1° graduation, accurate within one division of the scale, mercury tube, shot weighted. Approximate scale range, 10° to 110° F., 10 inches. Price, \$2.75; postpaid, \$2.85.

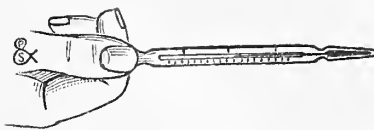
5701—Pasteurizing Thermometer, glass cylinder hand written paper scale, 2° graduation, accurate within one division of the scale, mercury tube. Approximate scale range, 30° to 220° F., 10 inches. Price, \$1.50; postpaid, \$1.60.

Glass Floating Ordinary Grade

5715—All glass floating Churn and Pasteurizing Thermometer. Approximate scale range 20° below zero to 150° above. Length, 8 in. Mercury filled tube. Price, 50c; postpaid, 60c.

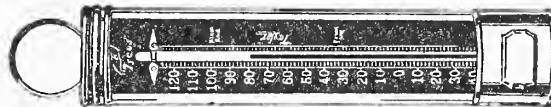


5715



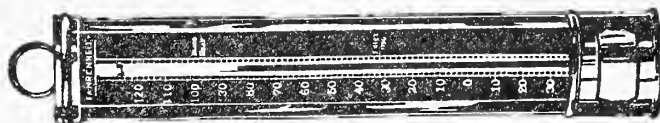
FEVER THERMOMETER—The normal temperature of the horse is 99 3/5 degrees, of cow is 99 to 102 degrees. Every owner of stock should have a Fever Thermometer for immediate use when an animal is taken sick. You can thus distinguish whether or not it is a febrile (fever) disease, and if it is, proceed at once to give necessary medicine to prevent the fever rising. They are easy to use. These Thermometers are tested and registered. Price, \$2.00; postpaid, \$2.10.

Greenhouse Thermometers



5400S

No. 5400S—Best grade, 10 inches, black japanned, heavy tin case. Spirit. Tube filled with red permacolor (non-fading and easy reading) black oxidized brass scale with white filled figures and graduations. Price, \$1.75; postpaid, \$1.85.



5420S

No. 5420S—Selected grade, 10 inches, black japanned tin case. Spirit. Same as 5400S, but selected grade instead of best grade. Price, \$1.00; postpaid, \$1.10.

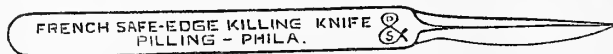
Soil (Hot Bed) Thermometers



No. 5981—It has a strong, pointed, metal end-piece; the glass tube and V-shape metal scales are sunk in the wood back; length, including shaped handle, is 15 inches. Price, \$3.00; postpaid, \$3.10.

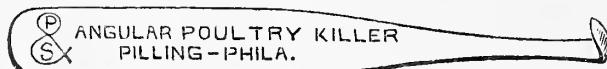
Thermometers and all glassware are packed in the most careful manner, but owing to the great liability of breakage we will not guarantee their safe delivery nor be responsible in case of breakage. To avoid loss the best plan is to have them insured, and if you so desire, include insurance with your remittance.

SAFE EDGE KILLING KNIFE



Exactly same as French Killer except cut on one side only. Price, 60c; postpaid, 65c.

Pilling Angular Killing Knife



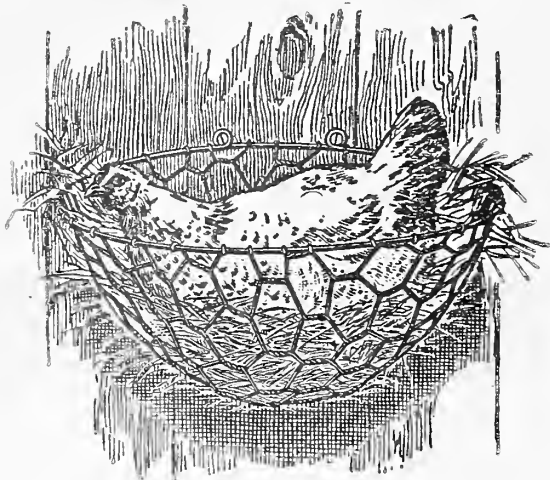
By simply turning the wrist the jugular vein and spinal cord are cut, thereby bleeding the fowl, allowing the feathers to be removed without using water. Price, 60c; postpaid, 65c.

New Philadelphia Capon Set



This set has many admirers. It consists of a knife for making the incision; the spreader, for holding sides open; sharp hook for piercing skin; the Lansdowne Remover for removing the testicles. Cords with hooks for holding the bird. Cup forceps for removing any foreign matter. They are fine instruments of the best workmanship. Price, \$2.50; postpaid, \$2.60.

Wire Nests



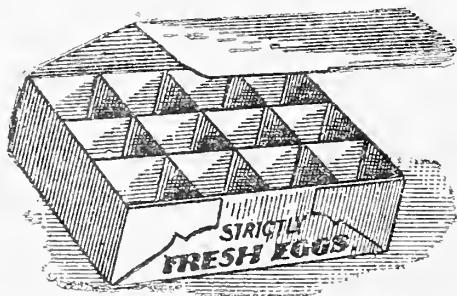
These nests are strongly made from heavy japanned steel wire. They are intended to be fastened to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean and are far superior to wooden boxes.

Size, 14 inches in diameter, 1¼-inch mesh. Each, 25c; ½ doz., \$1.35; doz., \$2.50. Weight per dozen, 8 lbs. Add postage.

Nest Eggs

Porcelain—Price, 5c each; ½ doz., 15c; doz., 30c; weight 1 lb.; add postage.

EGG BOXES



Paper—Intended for use in delivering eggs to private families. If you have a select egg trade you should use this box.

Doz., 20c, postpaid; at purchaser's expense; package of 125, \$1.50; 250, \$2.50; 500, \$4.75; 1,000, \$9.00. Weight of 125, 15 lbs. Add postage.

Hatching Egg Boxes

The one great essential in shipping eggs for hatching is to secure a package that will carry them to their destination safely. Hatching

eggs are either forwarded by parcel post or express, in either case they are subject to rough handling and must, therefore, be packed in a container that will withstand the rough usage that they are subjected to.

These boxes are specially designed to withstand the rough usage and to afford complete protection to the eggs. Compare the weight of these boxes with others that are quoted at a lower figure, and you will be enabled to judge of their respective qualities.

	Each	½ Doz.	Doz.	Wt. Doz.
15 eggs	\$0.30	\$1.75	\$3.25	20 lbs.
30 eggs .....	.40	2.25	4.25	30 lbs.
50 eggs .....	.60	3.25	6.25	40 lbs.
9 eggs, goose.....	.40	2.25	4.25	25 lbs.

Add postage.

Parcel Post Boxes

1 doz.30	1.50	2.75	20 lbs.
-------------	-----	------	------	---------

Add postage.

Price on all boxes subject to change.

Egg Cases

Each, knockdown, 35c; ½ doz., \$2.00; doz., \$3.50. Weight, each 7 lbs. Add postage.

Egg Case with fillers. Each, 70c. Weight, 12 lbs.; add postage.

Egg Case Fillers

Pasteboard fillers for 30-dozen case, 35c.

Weight, 6 lbs. Add postage.

Pasteboard fillers, per case (for 12 30-dozen cases), \$3.25.

Weight of case, 55 lbs. Add postage.

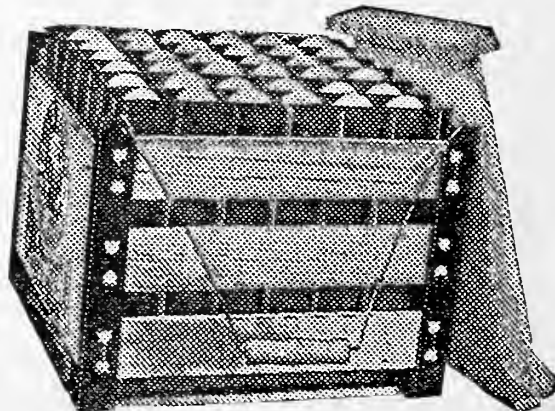
Egg Preservative

It is practical economy for the housewife, when eggs are plentiful and cheap in the spring, to preserve enough to last during the winter when they are scarce and prices high. This can be very successfully done by using Silicate of Soda in the proportion of one part to ten parts of water. Before boiling prick shell with a pin to prevent breaking while boiling. In separating yolk from white, use care as yolks will break easier than in new-laid eggs.

Pints, 20c; quarts, 30c; ½ gallon, 65c; gallons, \$1.00; 5 gallons, \$4.00. Weight, 2 lbs., 3 lbs., 6 lbs., 12 lbs.

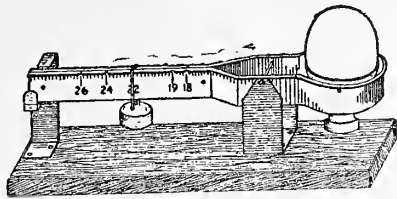
It is not advisable to ship this by parcel post as small sizes are glass packages. Quotations f. o. b. Spokane and shipped only at owner's risk.

The "Steelbound" Egg Carrier



Frame is made of the best quality of sheet steel. Wood is fastened to steel by a patented indestructible carrier. Cover rests on steel process, making a light, rigid and practical frame and can not be pressed down on contents of crate. Handles are made of steel spring wire and are fastened securely to steel frame so that they cannot work loose or come off. Capacity, 12 dozen; weight, 7 lbs. Price, 85c; add postage.

Champion Egg Scale

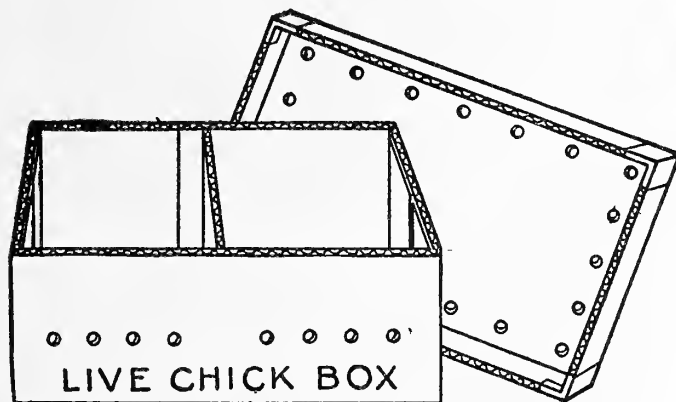


It makes no difference how you place the egg on the Champion Egg Scale because the egg cup is balanced on axis and is always held to "perfect center" by the balance weight under the cup. Simple in construction and easy to operate.

Grade Eggs in following grades: 19, 22, 24, 26 ounces to the dozen. Made of solid brass—will not get out of order—no loose parts to get lost.

Price, \$2.00 each; postpaid, \$2.10.

Live Chick Boxes

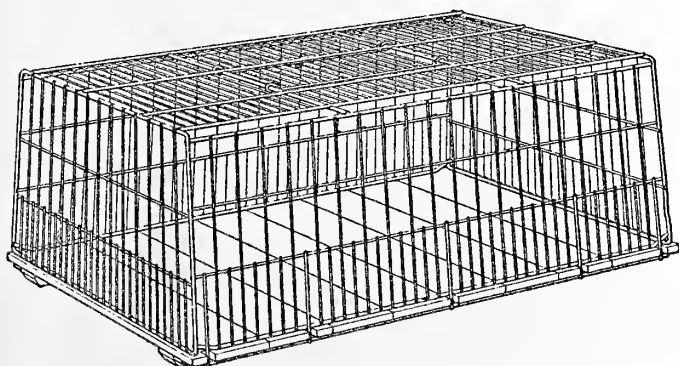


These shipping boxes are well made of highest corrugated paper, which is very strong and durable. The construction of these boxes is such as to afford the greatest strength and stiffness, without unnecessary bulk of weight.

Capacity	Size	Each	1/2 Doz.	Doz.	Wt. doz.
25	9x11x5 1/2	25c	\$1.00	\$1.75	14 lbs.
50	18x11x5 1/2	35c	1.50	2.50	18 lbs.
100	18x22x5 1/2	45c	2.00	3.75	32 lbs.

Add postage. Prices subject to change.

Clover Leaf Steel Shipping Coop



This steel coop will outlast three wood crates and will save its cost each season in repairs and transportation charges.

It is made of galvanized steel bars and wire, and will not rust.

It has a narrow mesh on top, which eliminates the possibility of the poultry poking their heads through and being killed.

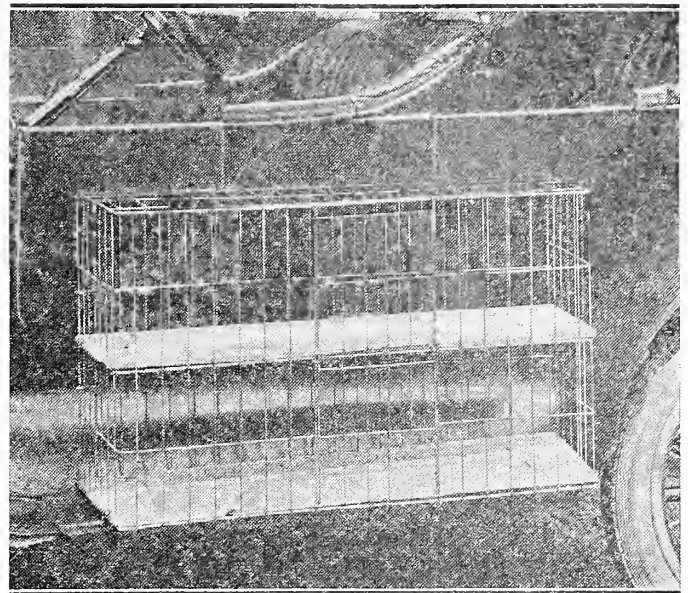
Self locking. Side door on top.

Weighs but 24 pounds, and never gets heavier.

Size 27x41x14 inches high. Price, \$4.50.

Size, 27x41x20 inches high. Price, \$5.50.

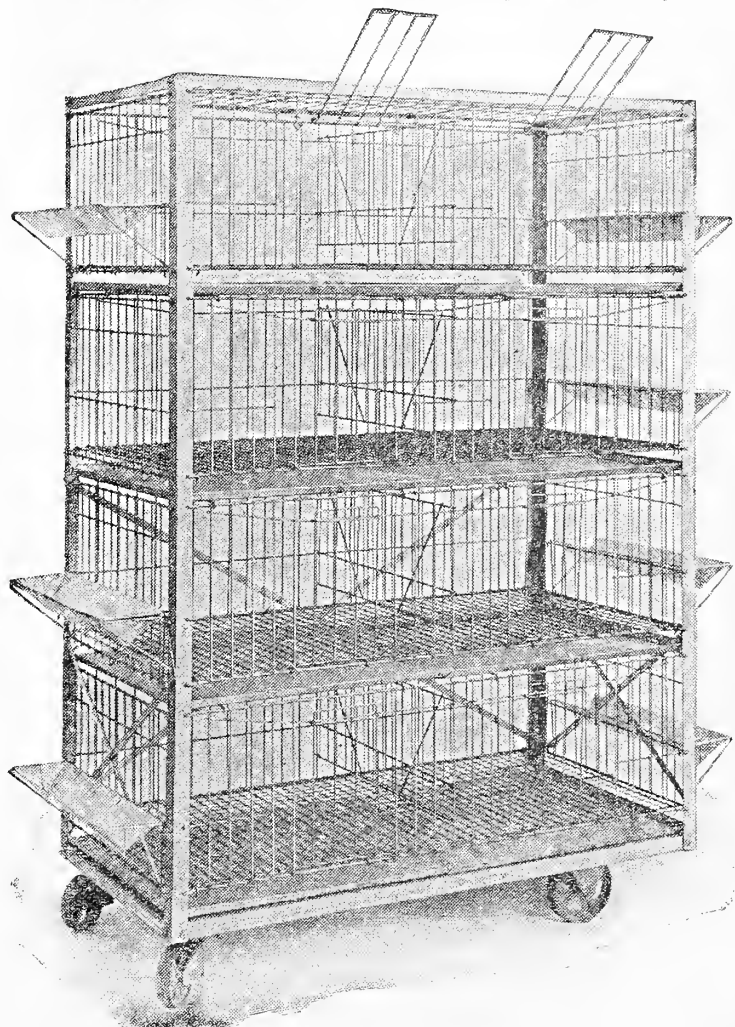
Automobile Coop



For conveying poultry to market this coop has no equal. It replaces the unsightly, unsanitary makeshift coop, and will last many years. It is light, easily attached to the automobile, and projects but an inch or two beyond the edge of the running board.

This automobile coop is made by the same firm as our Clover Leaf Steel Shipping Coop, and is of the same strong, substantial make. Price, \$4.25.

"United" Steel Feeding Battery



An eight-compartment, all steel battery good for 400 to 450 lbs. or 80 hens. Size 27x54x76 1/2

inches high. All four sections 15 inches high. Equipped with 4½-inch seamless galvanized troughs. Doors slide up, which is a most convenient feature. Two heavy galvanized trays underneath each section for droppings to collect in. Heavy angle iron truck equipped with 6½-inch truck wheel and 3-inch casters.

All wire joints in battery are electrically welded, making no crevices for mites or lice to collect in. Shipped knocked down. Price, \$65.00.

Ask for prices for shipment made direct from factory.

Shipping Coops

INLAND — All wood, neat, very light, but strong. Poultry raisers selling poultry at fancy prices should always use these coops.

	Each	½ doz.	Doz.	Weight each
No. 1—10x20x20	\$0.50	\$2.75	\$5.00	6 lbs.
No. 2—12x24x20	.65	3.25	6.00	10 lbs.
No. 3—20x24x20	.80	4.00	7.50	13 lbs.

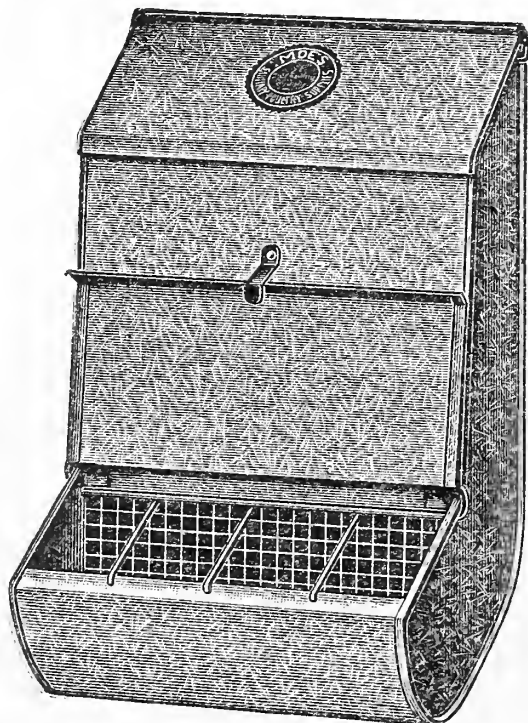
Add postage.

Inland Grit and Shell Box

The Inland Sanitary Feed and Shell Boxes work a material saving in grit, shell, bone, charcoal or poultry feeds. They are thoroughly practical, self-feeding, made of heavy galvanized iron. They are provided with a cover or lid, which protects the contents, and being placed at an angle furnishes a slanting top, preventing the fowls from roosting on the top of the box. Price, 3 compartment, \$1.00. Weight 3 lbs. Add postage.



INLAND DRY MASH HOPPER



The curved bottom of the Hopper keeps the feed within easy reach of the birds. The gradual enlargement from the top to base prevents clogging. The wire grid and the wires running from the flange through the wire grid prevents

any chance of the fowls throwing out or wasting the feed. The sloping cover prevents the birds from roosting on the Hopper, and when both covers are closed, it is rat and mouse proof. A trial will convince you that it is a hopper of the greatest merit. Manufactured of heavy galvanized iron. Made in two sizes. Length, 12 inches. Capacity, 14 quarts. Weight 6 lbs. Price, \$2.25; add postage.

Length, 24 inches. Capacity, 32 quarts. Weight, 11 lbs. Price, \$3.10, add postage.

DRINKING FOUNTAINS Insulated Double Wall

Made of best quality galvanized iron, with double walls packed with an efficient insulating material.

Keeps the water warm in winter, and cool in summer. The walls are insulated all around sides, top and bottom, including the drinking cup in front.

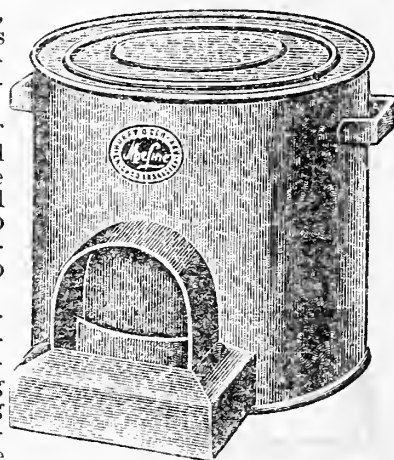
The outlet is protected by a removable plate which prevents any floating particles from being drawn into the water container. The outlet is protected by a hood, and is of a generous size to accommodate the largest combed varieties.

3 gallons, \$4.75; weight 25 lbs.

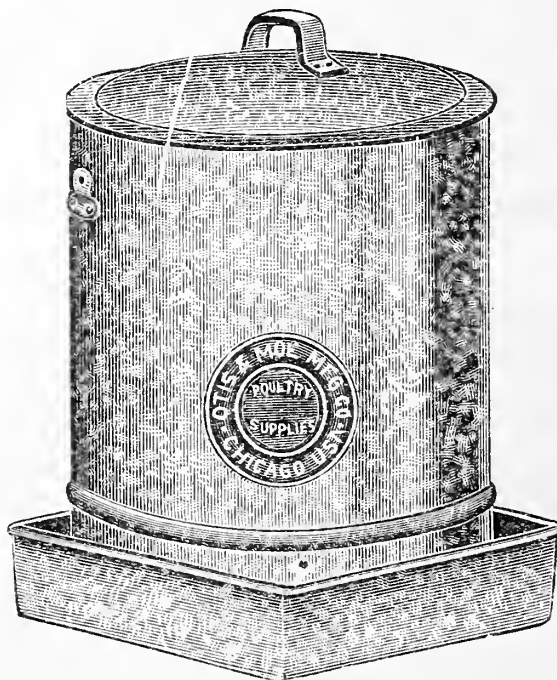
5 gallons, \$6.00; weight, 27 lbs.

Add postage.

3-gallon size is horizontal.



Top Filler



Made of heavy galvanized iron, with double walls, which keeps the water cool in summer, and retards freezing in winter. Feeds automatically, no valves to get out of order. Fills from the top. Thoroughly sanitary and as easily cleaned as an ordinary pail.

Fill the fountain in the morning and the chickens have an all day's supply of pure water at just the right temperature.

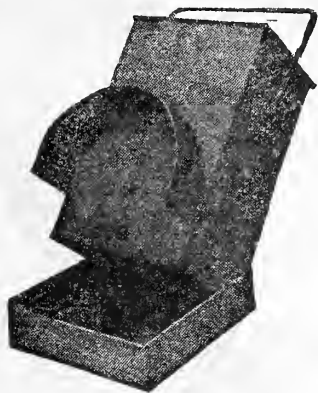
2 gallons, \$2.85; weight, 7 lbs.

4 gallons, \$3.50; weight, 9 lbs.

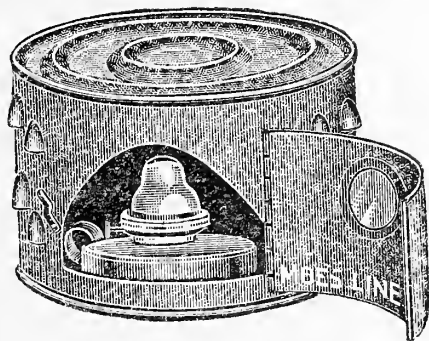
Add postage.

Drop Bottom

Easiest thing in the world to open and clean. Clasp by which the bottom is fastened fits over the small hole under the hood, preventing slopping of water when the fount is handled. Solid brass hinge rod—no rust. Gal., \$1.30; weight, 3 lbs.; 2 gal., \$1.65; weight, 4 lbs.; add postage.



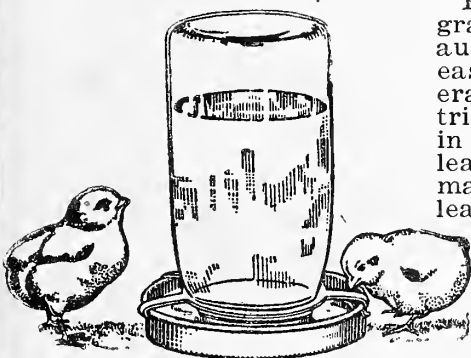
Moe's Fountain Heater



Solves the problem of a uniform supply of fresh water at all times, no matter how cold the weather. Can be used with all styles of fountains and makes an ideal heater fountain at a low price. Price, \$2.00. Weight, 5 lbs. Add postage.

Automatic Fountain and Feeder

Feeds water, grain, grit, etc., automatically. Is easy to fill and operate. Just lift trigger, as shown in cut which releases pan, clip remaining on jar, leaving pan without any obstruction, hence easily cleaned, and sanitary.



Made to fit any half gallon, quarter or pint Mason jar. We do not furnish jars. Made in two sizes. Ordinary size, 5-inch pan. Each, 15c; 3, 45c; 1/2 doz., 80c; doz., \$1.50.

Weight, 5 lbs., per doz. Add postage.

Large size, 6-inch pan. Each, 20c; 3, 60c; 1/2 doz., \$1.05; doz., \$1.80. Weight, 6 lbs. per doz. Add postage.

Feed Troughs



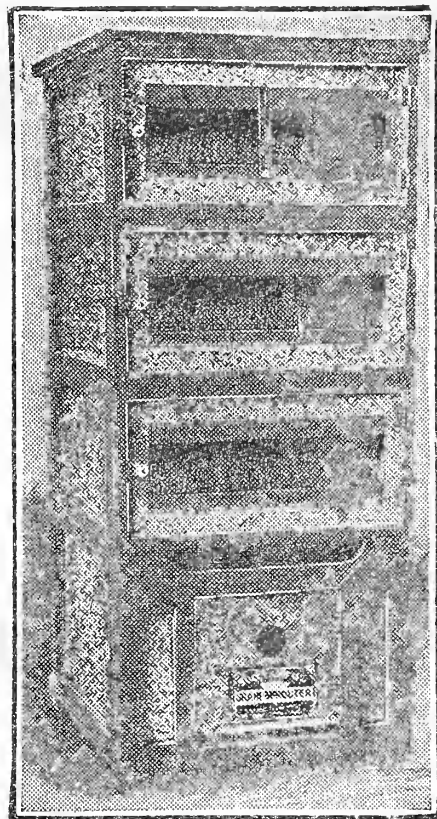
Made from one piece of metal. Gable-shaped gate top prevents chicks from getting in trough and wasting feed. Top easily moved. Easily cleaned. Wide stand at ends prevents upsetting. Made of galvanized iron.

10-inch. Each, 25c; 3, 75c; 1/2 doz., \$1.40; doz., \$2.75.

20-inch. Each, 45c; 3, \$1.30; 1/2 doz., \$2.50; doz., \$4.75.

Weight, 1 lb. each. Add postage.

Grain and Oat Sprouters



Successful

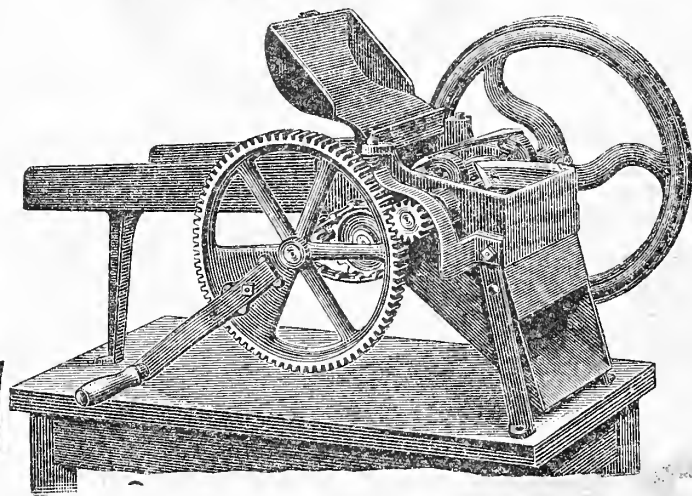
As you will notice by the illustration the Successful Sprouter is built in sections, consisting of the base, containing the lamp and the vapor pan. The size of the base is 20 inches square by 15 inches high. Each section contains two trays. The size of the section is 20 inches square and 10 1/4 inches high. Each tray measures 17 inches square.

Has hinged top so you can sprinkle the grain from above in one operation. Capacity, from 40 to 50 quarts dry grain, and is recommended for flocks of from 400 to 600 hens. The sprouter here shown in cut has three sections or 6 trays.

Quote 5 sections, 10 trays. Price, \$32.50.

Quote 2 sections, 4 trays. Price, \$21.00.

"New Model" Clover Cutter



The Model Clover Cutter is designed for cutting either green or dry, such growth as clover, alfalfa, vegetable tops, etc. These growths are the cheapest feed that can be secured.

The Model is made only of iron and steel, from entirely new patterns. It is a strong feeder, has large capacity, runs unusually easy and will do perfect work indefinitely. Has removable and adjustable steel knives.

Price, with four 7-inch knives, \$18.00.

Same machine with pulley, \$21.00.

Banner Root Cutters

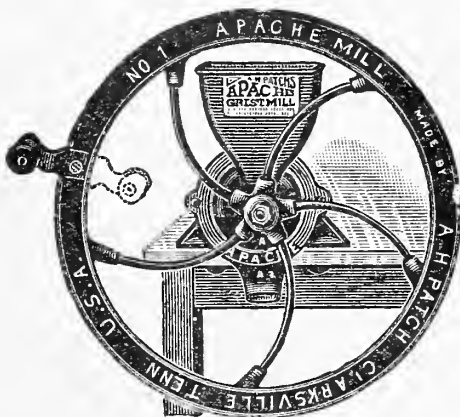


No. 7

These excellent machines are so low in price that every farmer, stock raiser or poultry man should have one, as roots are the cheapest green feed for stock and poultry.

The Banner is substantially made of first-class material. Weight 50 lbs. Extra knives, 35c each. Price, \$8.50.

Apache Mill

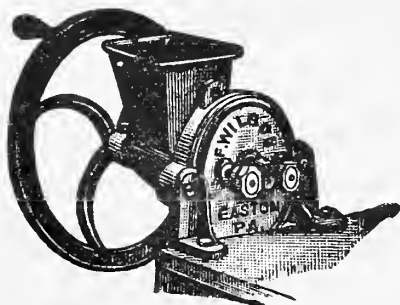


The handle can be set in two positions as shown, making a longer or shorter leverage as desired.

The Apache grinds all dry grains such as corn, wheat, rye, rice, coffee, spices, etc. Makes corn meal, hominy, chops, breakfast foods, etc. It will grind a quart of table meal in two minutes.

Large hopper, ball bearing. Weight, 40 lbs. Price, \$8.00. Add postage.

The Wilson Dry Bone Mill



This is a practical mill, grinding all kinds of shells, crockery, grit, burnt or dry bone feed, etc. Instantly adjusted to grind coarse or fine. Weighs 33 pounds. Diameter of hand wheel, 20 inches. Price, \$7.50. Add postage.

Black Hawk Mill

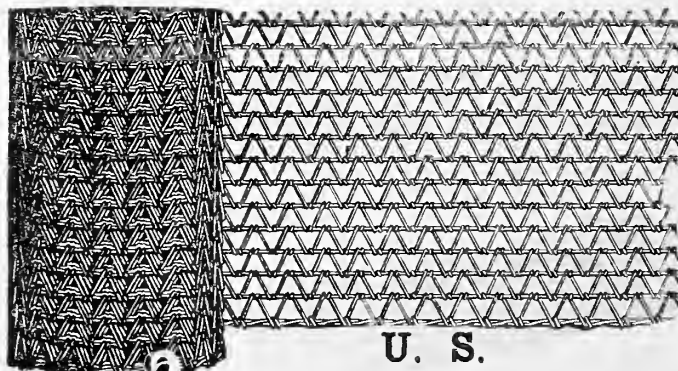
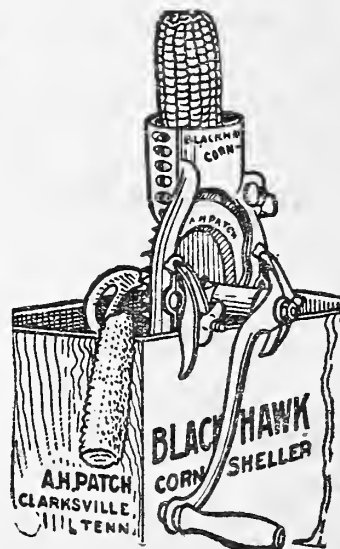


WITH A BLACK HAWK MILL in the house you crack the corn and grind any kind of grain to whatever degree of fineness you desire or whichever will best suit the use or condition of your chickens. Its wide range of usefulness, its durability and small cost will appeal to the family in town with a small flock in the back yard, and it has a large enough capacity to meet the needs of those in the country who keep poultry on a big scale. Weight, 22 lbs. Price, \$4.00. Add postage.

BLACK HAWK CORN SHELLER

A Sheller That Shells

It can be set to shell any corn that grows. Made with ball-bearings, obviating the expense of a heavy balance wheel. Easily fastened to box by thumbscrews—no bolts nor screws required—no holes to be bored. Weight, 14 lbs. Price, \$4.00. Add postage.



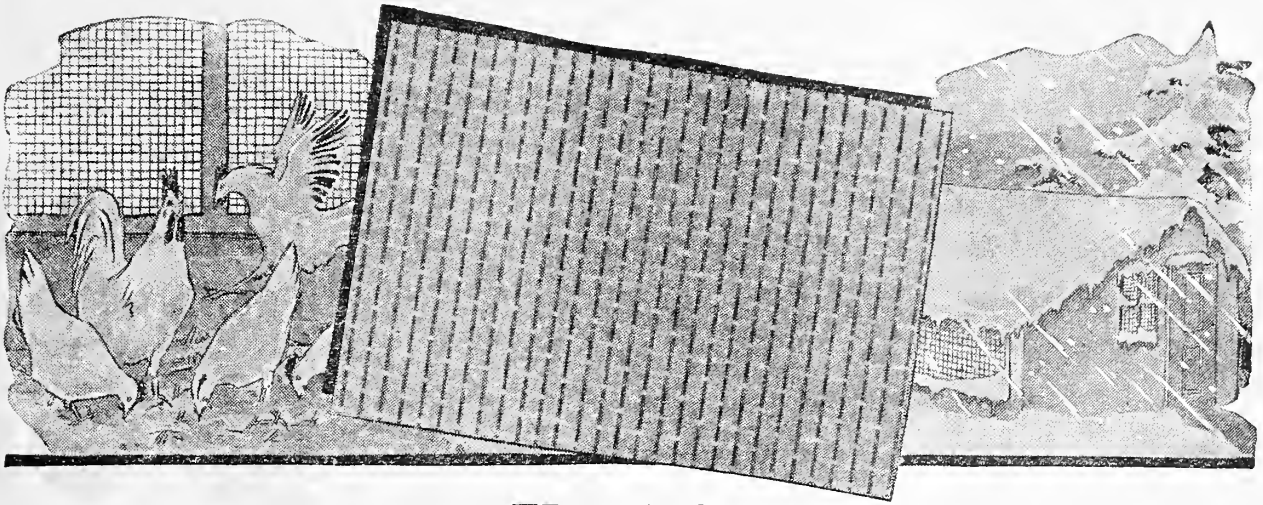
Prices per roll of 150 feet:

One Inch		Two Inch	
12 inches	\$3.45	12 inches	\$1.50
18 inches	5.00	18 inches	2.15
24 inches	6.35	24 inches	2.75
36 inches	8.70	36 inches	4.30
48 inches	11.85	48 inches	5.00
		60 inches	6.25
		72 inches	8.65

Less than roll, 3c square foot.

Less than roll, 2c square foot.

Prices subject to change.



CEL-O-GLASS

Is a light weight, flexible, weatherproof material made by coating wire mesh with a transparent substance which will not rub off or dry out. It can be cut or bent to any desired shape, and is practically indestructible.

Cel-O-Glass is clear, tough and flexible. It is hail, rain, wind and rust proof, is a non-conductor of heat and cold, light in weight, and easy to apply.

In addition to furnishing a protection for your

poultry, **CEL-O-GLASS** lets through the valuable, stimulating and health-giving Ultra-Violet rays of the sun. Glass absorbs the Ultra-Violet rays and keeps them out. **CEL-O-GLASS** is ideal for hotbed sash, coldframes, greenhouse partitions and exterior sides and fronts, storm doors, cellar windows—in fact, wherever light and protection from the weather are required.

CEL-O-GLASS is made in rolls 3 feet wide, and 100 feet in length. Weight, 44 pounds. Price, per yard, \$1.40. Roll, \$42.00. Add postage

Flex-O-Glass

A new development that will interest poultry raisers and gardeners is "Flex-O-Glass," a glazed cloth used in place of glass in poultry houses, hotbeds, greenhouses, porch walls, barn windows, etc.

Flex-O-Glass is made by taking an especially woven high grade, double strength fabric and putting it through two impregnating and coating processes. It is these two secret processes that enable Flex-O-Glass to sort out, concen-

trate and then diffuse the Ultra-Violet Sun's Rays.

The result is, a strong durable sheeting that lies just as flat as glass, when tacked in place; a substance that is rugged enough to stand strong winds, rain, snow, hail, that is transparent, weather-tight and long-lasting.

Flex-O-Glass is put up in rolls 35½ inches wide. 100 yards in roll. Price, 40c yard. Roll of 100 yards \$30.00. Weight ½ lb. per yard; add postage.

Poultry Feeds

There are three great essentials to success in the poultry business. Stock, Care, Feed. The success of the poultry man will depend upon the care and attention given to these three points. We are not supplying stock, and can not give care, but we can and are supplying feed.

Prices on all poultry feed subject to change. Full value sent for remittance received.



This is a complete ground feed. It contains all the ingredients necessary to promote quick growth, to produce eggs and to keep the birds in a good condition. We have thoroughly studied the subject of feed for fowls and know this mixture will give you the desired results. Clover leaf Balanced Ration costs only a little more than either wheat or

corn and is more valuable. Can be fed dry or in a mash. 80-lb. bag, \$2.50.

The sharpest and hardest grit known. Free from dust. Rich in iron, silica, aluminum and mica. Each crystal has sharp edges, which cut and grind, and grind and cut until the last minute particle is worn away. In ordering state whether you want chick or medium size. 100 lbs., \$1.25.



See Sol-Hot Brooders—

Page 94

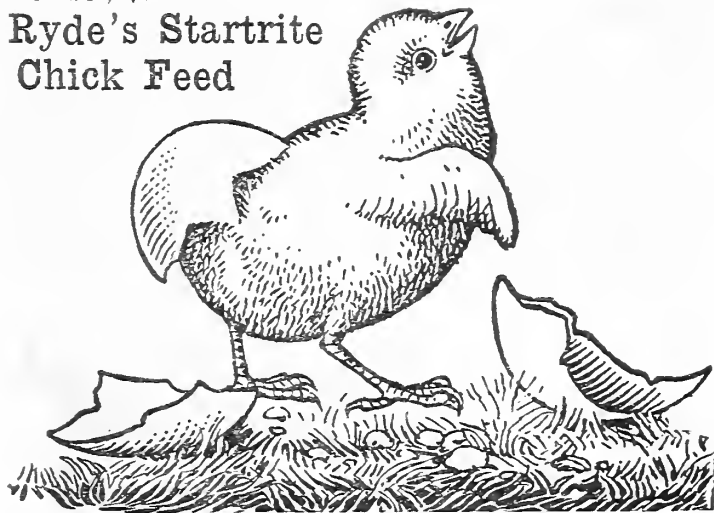


The experience of poultry raisers is the same the world over, and that is that it is easier to hatch young chicks than it is to raise them. By using Clover Leaf Chick Feed you can give the chicks just what nature intended, mixed in the right proportion to produce a quick and profitable growth without loss. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25; add postage.

CLOVER LEAF FORCING FEED, as its name implies, is specially intended for properly maturing young chicks after they are ready to be weaned from chick feed. When the chicks are from six to eight weeks old they are able to eat larger particles of grain than are found in our chick feed.

Our Forcing Feed contains a variety of grain in sizes and quantities exactly suited to the purposes for which it is intended. 50 lbs., \$1.75; 100 lbs., \$3.25.

Ryde's Startrite Chick Feed



Ryde's "Startrite" Chick Food is an absolutely safe and complete food on which to start baby chicks. Composed only of the choicest ingredient; sound, sweet, grains, containing both animal and vegetable proteins in the correct proportions. It promotes rapid and thrifty growth. It contains a liberal quantity of buttermilk; the lactic acid being very beneficial to baby chicks, and is the one complete food on which you take no chances.

Nothing is too good for Baby Chicks at the start. They eat so little that for the difference of a few cents it pays to buy the best. 5-lb., 40c; 10 lbs., 75c; 25 lbs., \$1.65; 50 lbs., \$3.00; 100 lbs., \$5.75. Add postage.

Pep Growing Mash

All poultry keepers recognize the importance of feeding chicks in the various stages of their growth with feed best adapted to the particular stages. Our mixed grain Clover Leaf Chick Feed and Ryde's Dry Mash Startrite makes the best combination for baby chicks to the age of five or six weeks. Then feed Full-o-Pep Growing Mash. This is manufactured by The Quaker Oats Company and is a wonderful combination of the proper ingredients in correct proportion to insure a feed unequalled for hastening growth combined with proper development. Full-o-Pep Growing Mash

is as far ahead of its specific purpose, of any other similar preparation on the market, as the cereals produced by the Quaker Oats Co. are ahead of any like productions. Price, 25 lbs., \$1.65; 100 lbs., \$5.75. Add postage.

This is composed of choicest grains in just the correct proportions that several years of experience has demonstrated is right. Every practical poultryman will readily concede the great advantage of feeding such a mixture. Price, per 100 lbs., \$2.75.



Alfalfa Meal

The value of some green food for fowls can hardly be overestimated. For a winter feed alfalfa is one of the best for this purpose. It contains more protein, lime and mineral, salts in soluble and digestive form than clover, and fowls relish it in either a green or dry state. For producing eggs it has no equal. 100 lbs., \$1.85.

BLOOD—DRIED

One great reason why hens do not lay in winter is because they are not supplied the proper elements to produce the yolk of an egg. This can be remedied by the use of Dried Blood. Blood is the highest concentrated form of animal food and prepared so as to include all the elements of the so-called Red Albumen. Use only tablespoonful to six hens once a day. 100 lbs., Armour's, \$5.00.

Bone, Granulated

Many poultrymen prefer granulated bone to fresh or green bone. Fresh bone contains 53 per cent of moisture and 12 per cent of grease, so that when a poultryman buys fresh bones he pays for 65 pounds of useless materials in every 100 pounds he buys. Granulated Bone is made from fresh bones with the moisture and grease taken out, leaving nothing but the phosphate of lime and nitrogen. 100 lbs., \$3.50.

Bone Meal

This is the same as granulated bone, but ground finer, so that it can be fed in a mash or to young chicks. 100 lbs., \$3.50.

Charcoal, Granulated

It aids digestion, purifies the blood, regulates the bowels and promotes the general good health of the chicks and adult fowls. Fine granulated, for all mash rations and for small chicks and a coarser granulated for adult fowls. Price, 50-lb. bag, \$2.25; 100 lbs., \$4.25.

Fish Meal

The analysis of the Fish Meal is 50 per cent to 55 per cent protein and 20 per cent bone phosphates and is guaranteed not to taint the eggs of chickens or the milk and butter of cows.

While Fish Meal is highly recommended for poultry, the great difficulty has been that it tainted the eggs. Ordinary fish meal should not be fed to poultry, but is suitable only as a fertilizer. Please note the guarantee given with this fish meal. Price, \$5.50.

The object in buying Meat Scraps or Meat Meal is to obtain the largest amount of digestible protein possible. Meat Scraps contain from 50 to 65% of protein. Spokane made, \$4.50; Argentine, \$5.75.



MEAT MEAL—50 per cent protein. Price, Spokane product, \$4.50; Argentine, 4.75.

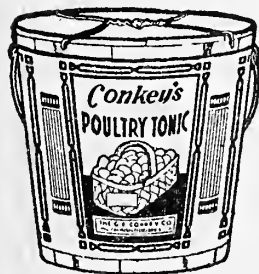
Prices on all poultry feeds subject to change. Full value sent for remittance received.

Shell

The feeding of shells to poultry prevents soft shelled eggs, makes the shells strong, and eggs larger and heavier.

Eastern Oyster Shell, per bag, \$1.50.

Poultry Tonics



Conkey's Poultry Tonic fills the egg basket in spite of weather. It is not a food, but a tonic to be mixed with the regular feed during seasons when fowls get sluggish and want to loaf instead of lay. Pkgs., 30c, 60c, \$1.20; 12-lb. pail, \$2.00; 25-lb. pail, \$3.50. Mailing weights, 2, 4, 8, 17 and 30 lbs. Add postage.

Cod Liver Oil and Yeast



Successful poultry raisers are finding these two ingredients indispensable in poultry rations. By supplying needed vitamins, cod liver oil and yeast banish leg weakness and other chick troubles, promote rapid and vigorous growth and keep hens in the pink of condition, able to produce a heavy lay.

Conkey's Y-O, which is a combination of yeast and cod liver oil made by a special patented process, solves the problem in an economical way. The product comes in the form of a dry chocolate-brown powder, which is free running and readily mixed with any poultry mash.

Price, 1-lb. pkg., 65c; 2-lb. pkg., \$1.15; 5 lbs., \$2.50. Mailing weight 2, 3 and 6 lbs. Add postage.

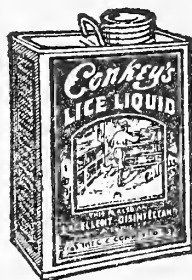
Poultry Pepper Compound

This is a splendid tonic at all times. A small amount sprinkled in with a hot mash will stimulate the circulation and increase egg production. Lb., 25c; 5 lbs., \$1.15; add postage.

LICE KILLERS AND DISINFECTANTS CONKEYS

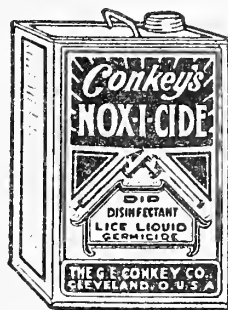
HEAD LICE OINTMENT is for overcoming and preventing the murderous head louse which "eats up" baby chicks. Packages, 15c, 30c; 20c and 35c, postpaid.

LICE FIX is a preparation in ointment form for fighting body lice. One application lasts a month. Packages, 30c, 60c; 35c and 65c postpaid.



LICE LIQUID is for painting roosts, fittings, the inside of house, nest boxes and wherever mites congregate. Cans—qt., 60c; 2 qt., 90c; gal., \$1.50. Not mailable. Express or freight, extra.

LICE POWDER is for dusting hens, nests, growing chicks and for use wherever body lice must be overcome. Conkey's is the improved kind and contains Sodium Fluoride. Sodium Fluoride is highly recommended by experiment stations for the eradication of lice. Packages, 45c, 90c. Mailing weight, 2 lbs. and 4 lbs. Add postage.



NOX-I-CIDE has a large variety of uses as a disinfectant and germicide. It is approved by poultry experts everywhere.

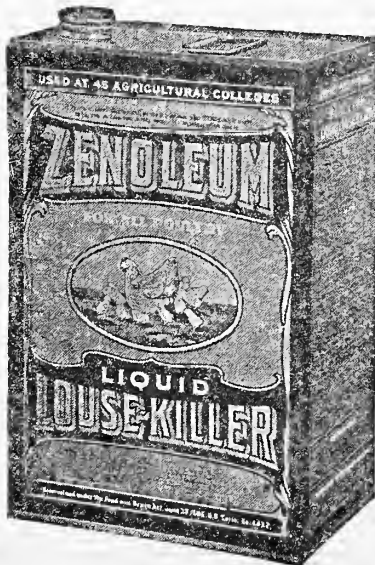
For spraying during the "weekly cleanup," as a preventive of disease and a help in keeping down red mites, ticks, blue bugs, etc., Conkey's Nox-i-cide is practically unexcelled.

Cans: Pint, 50c; quart, 80c; 1/2 gallon, \$1.30; gallon, \$2.00. Not mailable. Express or freight additional.

Bed Bug Destroyer

This is a liquid and is guaranteed by the manufacturers as follows: Purchase money refunded if Royal Bed Bug Destroyer fails in any case to give results. Apply with an ordinary hand sprayer. See page 83 for price of hand sprayers. Quarts, \$1.00; half gallons, \$1.75; gallons, \$3.00; not mailable.

Zenoleum



One gallon of Zenoleum makes 100 gallons of positive disinfectant. Kills vermin, cures skin trouble. Invaluable as a remedy for diseases of poultry and all livestock. Kills lice and cures mange. Disinfects incubators. Pint, 50c; qt., 80c; 1/2 gal., \$1.30; gallon, \$2.00. Not mailable. Express or freight extra.

Conkey's Poultry Remedies



**HAVE A CONKEY
CORNER IN YOUR
POULTRY HOUSE**

Raising poultry is pleasant and profitable when "good luck" is with you. Good luck, however, is not merely a matter of chance, but of **BEING PREPARED**. Install a Conkey Corner of remedies in your poultry house as insurance against disease, trouble, loss and disappointment.

We sell Conkey's Poultry and Stock Remedies because we know they are reliable and we can guarantee them as follows:

Your money refunded cheerfully if any Conkey remedy does not satisfy.
CONKEY'S POULTRY BOOK FREE if you call at our store, or mailed for 5 cents in stamps.

BLACKHEAD REMEDY—Turkey breeders should have a package ready for instant use, for Blackhead is very hard to cure in advanced stage. When used soon enough, Conkey's Blackhead Remedy is ordinarily effective. Package, 60c; postpaid, 65c.

CANKER AND BRONCHITIS REMEDY checks cankerous growths and sores and soon restores the bird to normal. This remedy is Conkey's specific for bronchitis. Also desirable in treating individual cases of Roup and for use at shows when birds develop colds. Package, 60c; postpaid, 65c.

CHOLERA REMEDY — So-called cholera, bowel troubles, indigestion, diarrhea and kindred ailments often kill a whole flock in a few days. Diarrhea, a drowsy, listless appearance and great thirst—these are the signals to put Conkey's Cholera Remedy in the drinking water. Package, 30c, 60c; postpaid, 35c and 65c.



GAPE REMEDY — Gape worms accumulate in the windpipe and choke the chick to death. Conkey's Gape Remedy comprises two powders—both in the same box for one price—one sifted over chicks causes them to dislodge the worms in windpipe by coughing, the other is a tonic powder which is mixed in the feed—to help the bird build up its resisting powers and retain its vitality. 30c, 60c; postpaid, 35c, 65c.

LAXATIVE — Wherever a laxative or purgative is needed this remedy is just the thing for birds—by varying the dosage you can produce either a mild or strong effect. Packages, 30c, 60c; postpaid, 35c and 65c.



LIMBERNECK REMEDY—For ptomaine poisoning. Packages, 60c; postpaid, 65c.



Roup Remedy

When birds sneeze, froth in eyes, or run at nose put Conkey's Roup Remedy in the drinking water. Sick birds doctor themselves and others are protected from catching the disease. Better still, always at the first sign of "roupy weather," place Conkey's Roup Remedy in fountains—it's a great preventive.

Packages, 30c, 60c; \$1.20; 1½ lb. can, \$2.50; 5 lb. can, \$5.75; or postpaid, 35c, 65c, \$1.25; \$2.60, \$5.95.

ROUP PILLS—Packages, 30c, 60c; postpaid, 35c and 65c.

SCALY LEG REMEDY applied to birds' legs will in a few treatments kill the parasites responsible for the trouble and heal up the legs with a healthy lustre. Package, 30c; postpaid, 35c.

SORE HEAD (Chicken-Pox) Remedy — Little brown spots appear on comb, face and wattles. Under these is a pocket of virulent pus. Apply Conkey's Sore Head Remedy. Package, 30c and 60c; postpaid, 35c and 65c.

WHITE DIARRHEA REMEDY—As a preventive of bowel troubles, white diarrhea and other digestive complaints, it has given great satisfaction for many years. Once started diarrhetic conditions often sweep away the whole hatch. This remedy is also recommended as a preventive measure and for treatment of coccidiosis. Packages, 30c, 60c; postpaid, 35c, 65c.



WORM REMEDY rids birds of many troublesome worms, thus promoting a return to healthy conditions. Give it as soon as you suspect worms—it will help the whole flock. Packages, 30c, 60c; postpaid, 35c, 65c.

Buhach

1½ oz. pkg., 30c; 3 oz. pkg., 50c; 6 oz. pkg., 75c; 12 oz. pkg., \$1.25. Add postage.

Tobacco Dust

For use in dust baths or nests. A cheap and effective exterminator of lice. Lb., 15c; 10 lbs., \$1.25; 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.00.

Revenge and Kurum

Put Revenge in the dustbox. Put Kurum in the drinking water. They are life savers. Repeated tests have PROVED THAT REVENGE IS THE BEST in thousands of poultry pens all over the U. S. A. Its reputation as an absolutely safe vermin destroyer convinces that it not only instantly kills, but Keeps Poultry Free from both HEAD and BODY Lice—It sticks to the fowl—IT WON'T DUST OFF, so it not only does its work on Both Young and Adult Fowls but it continues to afford lasting protection from all species of health destroying parasites, and that without the slightest injury to the fowls. IT IS SAFE and SURE!

REVENGE PLACED in the dust box means Vermin Protection for All Fowls! Directions on each package.

1½-lb. can., 65c; 3-lb. can., \$1.00. Mailing weight 2 and 4 lbs., add postage.

KURUM—A remedy for white diarrhoea, roup, sorehead, cholera and other germ diseases. Has exceptional merit both in treatment and prevention of poultry diseases. Put in drinking water. Directions on each package. 16-oz. bottles, \$1.00; not mailable.

Bird Seed

CANARY—Per lb., 20c.

HEMP—Per lb., 15c; 2 lbs., 25c.

RAPE, SWEET—Per lb., 20c.

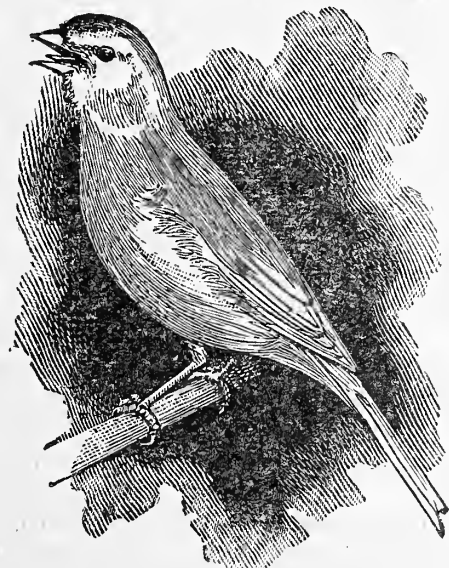
MILLET—Per lb., 15c; 2 lbs., 25c.

CUTTLE BONE—Two for 5c.

SUNFLOWER—Per lb., 15c.

Add postage on all bird seeds.

BIRD SPECIALTIES



BATH DISHES—Made of porcelain, sanitary. Price, 20c; postpaid, 25c.

BIRD BITTERS—A remedy for nearly all the diseases of cage birds. 30c, postpaid, 35c.

BIRD HEALTH—A condition powder. Should be fed only when your bird is sick, but it should be used as a preventive of diseases. 20c; postpaid, 25c.

BIRD MANNA—Keeps cage birds in constant song, improves their plumage and prevents disease. 15c; postpaid, 20c.

BIRD TONIC (Henning's)—For the prevention and cure of all diseases which cage birds are subjected to. Bottles, 25c; postpaid, 30c.

BIRD SAND—Pkg., 2 lbs., price 20c; add postage.

"CANARDYNE" (Tibbs)—For asthma and wheezing in cage birds. Bottles, 30c; postpaid, 35c.

MOCKING BIRD FOOD—The purest food obtainable for mocking birds, robins, thrushes and other soft-billed birds. 30c; postpaid, 40c.

MITE-POWDER—To free the bird from mites, blow a little of the Mite Powder under the feathers of the bird in the evening by means of an insect powder gun. At night cover the cage with a piece of white canton flannel. Early next morning remove the flannel and carefully destroy all the mites, which have crawled into it during the night, by immersing it in hot water. Price, 30c; postpaid, 35c.

MOULTING PEPPER—When fed during moulting season it produces red-tinted feathers. Price, 30c; postpaid, 35c.

NESTS—Very convenient and suitable. Price 15c; postpaid, 20c.

NESTLING FOOD—Special preparation and very highly recommended. Price, 30c; postpaid, 35c.

NESTING HAIR—Much better than any substitute. Price, 20c; postpaid, 25c.

ORANGE COLOR FOOD—Deepens and intensifies the natural color of the plumage. Feed to young birds after they are eight weeks old. Old birds during the moulting period. Price, 30c; postpaid, 35c.

PARROT FOOD—A mixed food for parrots which should be kept before them all the time. 25c; postpaid, 30c.

SONG RESTORER—A treat and tonic for canaries, linnets, and all seed-eating birds. 25c; postpaid, 30c.

Booklet on cage birds, free on request.

POWDER GUNS—25c, 35c; postpaid, 30c, 40c.

DOG BISCUITS



PUPPY BISCUITS (The Standard Puppy Food)—A perfect and whole food for puppies of all breeds. Puppies should be started on these biscuits when about one month old and they should be continued until such time as their teeth become sound and strong, usually when they are about six months old. Pkt., 50c; mailing weight 3 lbs. Add postage.

DOG BISCUITS—The analysis of these biscuits shows that they are, weight for weight, equal in nourishment to fresh raw beefsteak and superior to it as a food for dogs. The standard dog food; a staple and constant food for all breed of dogs. Pkt., 50c; 5 lbs., \$1.00; 10 lbs., \$1.75; 25 lbs., \$3.75; 50 lbs., \$7.25; 100 lbs., \$14.00. Pkt., oval, 50c; pkt. Fibro, 50c; 10 lbs., kibbled, \$1.75. Mailing weight, pkgs. 3 lbs.; mailing weight of bags, 1 lb. more than their priced weight; add postage.

Booklet, Spratt's Dog Culture, mailed on request.

DOG REMEDIES—CLAYTON'S



BOOK ON DOG DISEASES-AND HOW TO FEED-FREE

COUGHS—Cough Remedy, for coughs and colds from whatever cause. 60c.

DIARRHOEA—Diarrhoea Remedy, tablets; very effective. 60c.

DISTEMPER—Distemperine tablets, for distemper. 60c.

FLEAS—Ceoline Dog Wash, for fleas and for a disinfectant. 40c.

Cream soap, for fleas and washing dogs, 35c.

Kilflea soap, for fleas. 35c.

INDIGESTION—Digestive tablets, for all forms of indigestion. 60c.

Laxative pills. Act directly on the liver and keep the bowels in good condition. 60c.

MANGE—Mange Remedy. Best remedy known for this disease. 60c.

Skin lotion, for all skin diseases. 60c.

WORMS—Vermifuge (soft capsules.) Can be given to small puppies, as well as dogs. 60c.

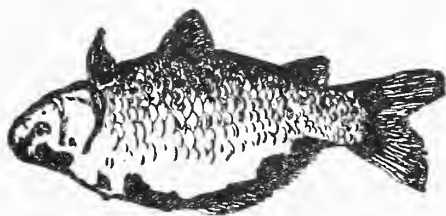
Worm pills. Composed of the best remedies known for the expulsion of worms. 60c.

RUNDOWN CONDITION—Condition pills, with pepsin. A very reliable remedy in all run-down conditions. Also very valuable in cases of distemper. Price, 60c.

CLAYTON'S DOG REMEDIES have long had a reputation for being very dependable, and they are generally considered as being the most desirable.

Add 5c to quotations if forwarded by mail. Booklet on care of dogs, free on request.

FISH FOOD



WAFER FISH FOOD—This, as its name implies, comes in wafer form and is a highly nutritious preparation which is eagerly eaten by gold fish and other fish. Price, 20c; postpaid, 25c.

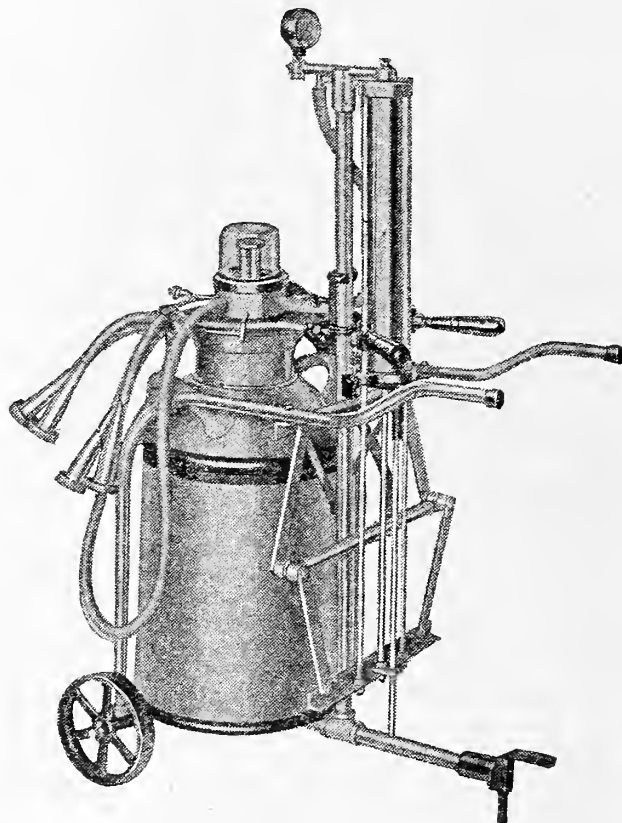
Dairy Supplies

The Page Milker

Milking machines, like a great many other new inventions, were not perfect when first placed upon the market, but time and experience have now overcome the imperfections, and they are no longer an experiment, but are now being installed at a very rapid rate by all progressive dairymen.

It is an acknowledged fact that Milkers will milk a given number of cows in half the time, or less, that the same cows can be milked by hand, thus saving fifty per cent or more in

labor. The greatest drawback to the ordinary farmer and small dairy has been the cost of milking machines that required installation by a system of pipes. This has been overcome, and we are now offering the Page Portable Milker at a much less price (because they do not need a pipe system of installation) with a guarantee to give entire satisfaction and to do as good work or better than any other milker on the market.



Hand

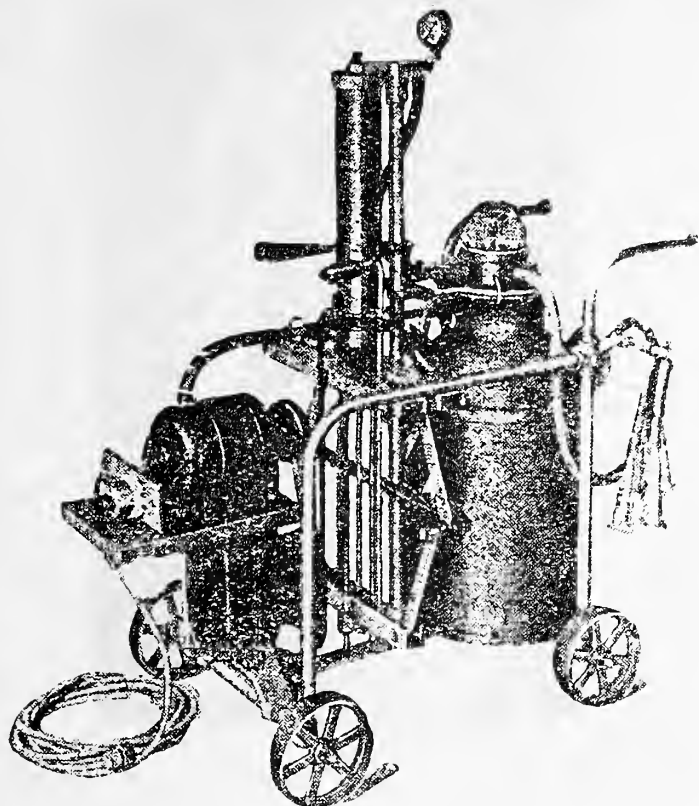
Here's the milker for the man with a few cows. Run by hand. So easy to pump a child can do it.

This hand operated model now brings machine milking within reach of every farmer. Just move it in and start milking—no installation. Does the work and does it right. Economical—hundreds of dollars saved over other more complicated milkers that do not one bit more work.

GAS

Here's the milker for the man who wants a power milker and has no electricity. A small compact unit requiring no installation and still does exactly the same work as the big elaborate power installations and does it better. Just move it from one set of cows to the other, start the engine and the milker does the work. Comes equipped with reliable three-quarter horse-power engine which is fully guaranteed. Should gas engine fail you at any time, for any reason, you can disengage the power mechanism in a moment and operate the milker by hand.

Remember all these models are portable. Nothing to install. No fuss, no bother, nothing to build or fit into your barn. The Page comes to you complete and ready to use. Move it in, move it out, move it anywhere. Milks two cows at once or one cow separately.



Electric

Here's the milker for the man who has electricity. Wheel behind the cows, turn on the electric switch and attach the teat cups for milking. The machine does the work, does it perfectly and with less bother and fuss than any other milker on the market. Requires only one-sixth horse-power—thus may be run from the battery of any farm lighting plant without even starting the engine of the plant. Should the electricity fail you at any time, for any reason, you can disengage the power mechanism in a moment and operate the milker by hand.

The Page Milker is guaranteed to prove satisfactory and to do all that the manufacturers claim for it. Your money back if it does not give satisfaction.

Write for descriptive matter on the particular milker you want.

SATISFIED USERS

Lovejoy and Son Waterville, Wash.

George B. Brown, Entiat, Wash.

Mrs. Zella Ruppell, Cheney, Wash.

Fred Carpenter, Cheney, Wash.

John Humbert, Cheney, Wash.

One of these users states in letter milker is wonderful. Another says could not do without it.

Renfrew Cream Separator

The Renfrew bowl is open, sanitary and simple. It has few parts to wash. The boxed wings direct the flow of milk to the bottom-most discs, making the whole milk travel the greatest possible distance under pressure for the required length of time and ensures complete separation. That's why it saves 99 99-100 per cent of the butter fat.

Some reasons why the Renfrew Cream Separator is the most economical and the best to use:

A skimming record of 99 99-100.

Bowls interchangeable.

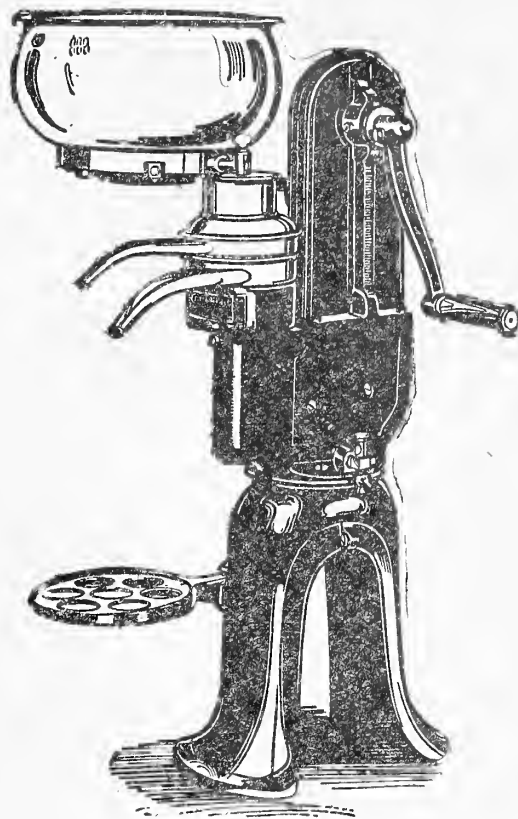
Simplicity of parts.

Smoothness of operation.

Self-oiling system.

Ease of cleaning.

No.	Capacity.	Price.
2	350	\$ 85.00
4	450	95.00
6	600	105.00



Renfrew Cream Separator.

\$5.00 less than quotations when remittance accompanies order.

Guaranteed in every respect. If not entirely satisfactory money refunded.

Send for descriptive circular.

SEPARATOR OIL

De Laval's, gallons	\$1.75
De Laval's, half gallons	1.25
Standard, gallons	1.25
Standard, half gallons	.75

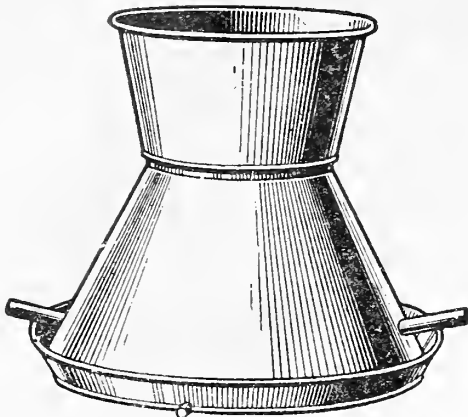


MILK COOLER

JUNIOR — This cooler is of tin construction and is as strong and durable as it is possible to construct it.

Junior

No.	Width.	Height.	Capacity per Hour.	Price.
A	15-in.	10-in.	20-gal.	\$35.00
B	15-in.	14-in.	40-gal.	40.00
C	15-in.	17-in.	60-gal.	45.00



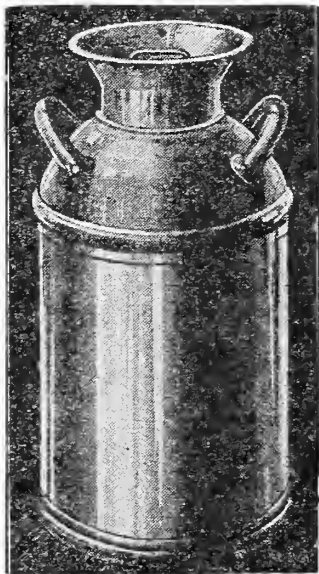
Conical

The Conical is a rapid cooler, conical reducing the temperature of the milk in one minute nearly to the temperature of the cooling medium. Can be used with any cooling medium, either running water, ice water, or, if a very low temperature is not required, ordinary well or spring water. The top is removable so that ice may be put directly into the cooling drum.

It is automatic, requiring no attention while in use. Low down, simple in construction, and as easily cleaned as a common milk pail. Strong and durable, will last for years. Tin construction.

	Cap'y of Milk	Cap'y of Water	Rec'v'r	Rec'v'r	Number	Price.	Wt.
	Gal.	Gal.			of Cows.		
No. 2	4½	12	15			\$12.50	25
No. 3	5½	20	25			15.00	35

CANS



OHIO—This can is made with a single neck and is fitted with the popular outside bottom loop. It has round handles and will be found a very satisfactory can, as it is strong, durable and will withstand very rough usage.

Price, with cover as shown in cut:

5 gallons.....	\$3.50	Weight, 11 lbs.
10 gallons.....	4.50	Weight, 17 lbs.

Add postage.

Same can with umbrella cover 25c additional.

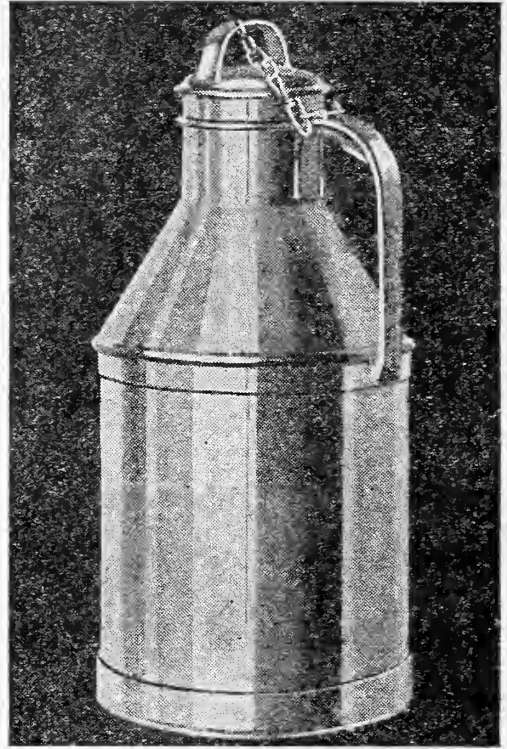
MILK CAN LINKS—Less than 100, 5c each; 100, \$4.00; 500, \$17.50; 1,000, \$30.00.

MILK CAN SEALS

Seal your cans; insure yourself against loss at a very small cost.

Lead, single wire, 100, 50c; 500, \$1.50; 1,000, \$2.50. Weight 6 lbs. per 1,000.

Seal press, each, \$2.75; weight, 2 lbs.; add postage.



2 Gallons St. John	.....	\$3.50	7 lbs.
3 Gallons St. John	.....	4.00	8 lbs.



DELIVERY—Side handle, cover chained to can; well made and durable.

	Wt.	Price.
1 Gallon City Delivery	5 lbs.	\$1.90
2 Gallon City Delivery	6 lbs.	2.50
3 Gallon City Delivery	8 lbs.	2.75

Add postage.

PAILS



420



430

CREAM, No. 420—20-quart—Dimensions, 9x20. Made from full weight 5A charcoal plate. Heavy retinned, seamless cover. Heavy ears. Retinned

bail with wood grip. Price, \$2.00; weight, 5 lbs. Add postage.

No. 430—20-quart—Made the same as 420, and fitted with glass gauge and solid brass faucet. Price, 20-qt., \$3.75; weight, 5 lbs. Add postage.

MILK, No.
4744—14-quart—
Sanitary 5A
charcoal plate
mirror finish,
soldered inside.
and outside.
Price, \$2.00.
Weight, 5 lbs.;
add postage.



4744

DAIRY, No. 4624—
14-quart. Extra heavy
steel clad. 5A char-
coal plate mirror fin-
ish, four rivet ears.
Extra heavy retinned
bail. Price, \$1.25;
weight, 4 lbs. Add
postage.



4624

No. 4634 — Sanitary
14-quart. Extra heavy
steel clad. 5A charcoal
plate mirror finish. 4
rivet ears. Extra
heavy retinned bail,
soldered inside and
outside. Price, \$1.50;
weight, 4 lbs.; add
postage.



4634

No. 2714, 14-qt.—
5-A charcoal plate,
mirror finish;
square strainer on
breast; 12¼-inch
top, 9¼-inch bot-
tom; 10¼-inch
height. \$2.50. Wt.
8 lbs.; add postage.

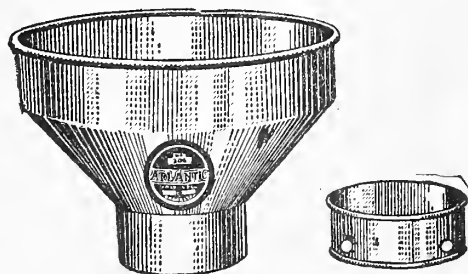


2714



1214—14-quart dairy and water pail. Bright
plate; top 12¼ inches; bottom, 9 inches; height,
10½ inches. Price, 95c. Weight, 4 lbs. Add
postage.

STRAINERS



3-quart, No. 302, \$1.10; weight, 2 lbs.; add
postage.

6-quart, No. 306, \$1.25; weight, 2 lbs.; add
postage.

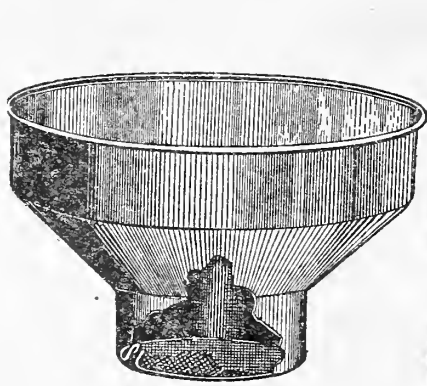
10-quart, No. 410, \$1.90; weight, 3 lbs., add
postage.

Extra heavy retinned, seamless, sanitary. 70-
mesh, solid brass strainer cloth. Extra slip foot
for cheese cloth.



910

10-Quart, No. 910—Extra heavy retinned
seamless, sanitary, double milk strainers. In-
side strainer 80 mesh, outside strainer 100
mesh. Price, \$3.75; weight, 5 lbs.; add postage.



-  Lock Spring, 50c.
-  70-Mesh Strainer Cloth, 50c.
-  Perforated Tin, 50c.

No. 1010—12-quart—Extra heavy retinned, seamless; removable strainers; sterilized cotton wadding used between perforated tin and strainer cloth. Each, \$2.25; weight, 4 lbs.; add postage.

and iron and with ordinary care will last for years.

Capacity	Churns	Material	Price	Weight
Holds 4 pints	2	Glass	\$2.00	8 lbs.
6 pints	4	Glass	2.50	10 lbs.
8 pints	6	Glass	3.25	12 lbs.
2 gallons	1	Metal	5.25	14 lbs.
3 gallons	1½	Metal	6.75	18 lbs.
4 gallons	2	Metal	8.25	20 lbs.

Add postage.

GLASS JARS FOR CHURNS

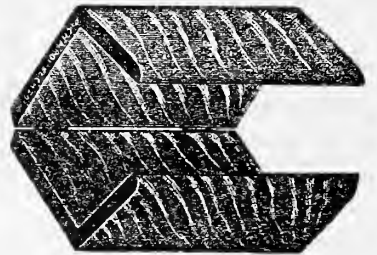
Size.	Price.	Wght.
4 pints.....	\$0.75	8
6 pints.....	1.00	10
8 pints.....	1.30	12

Add postage.

All glassware packed carefully, but safe delivery not guaranteed.

BUTTER MOLDS

All wood, brass hinges and screws. Price, 60c; weight, 1 lb.; add postage.



Ideal Family Butter Mold



MILK AND CREAM SCALE

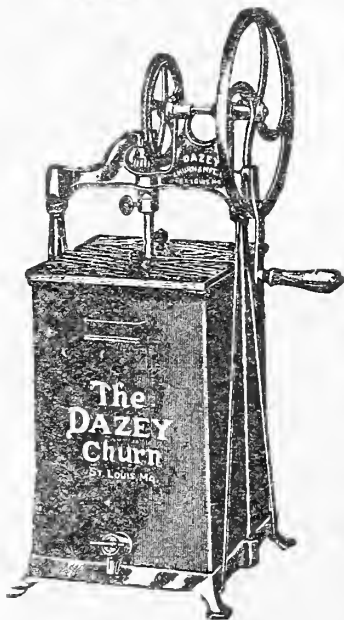
CHATILLON SPRING BALANCE

This scale is specially made for weighing milk in pails. The dial is divided into ounces. The indicator is adjustable, so that it can be set back to take out weight of pail. Each scale carefully tested.

30 pounds capacity.....	\$7.50
60 pounds capacity.....	9.00
120 pounds capacity.....	12.00

Mailing weight, 4, 5 and 6 lbs.; add postage.

Dazey Churn



Metal



Glass

The dasher in conjunction with the square corners of the receptacle, produces a thorough and scientific agitation making it possible to churn in 6 to 15 minutes.

Perfectly sanitary, the receptacle being non-absorbent, and no cracks to harbor the cream and become rancid.

The receptacle and dash are very light and easily removed from the churn.

Durable because made of the very best steel



IDEAL

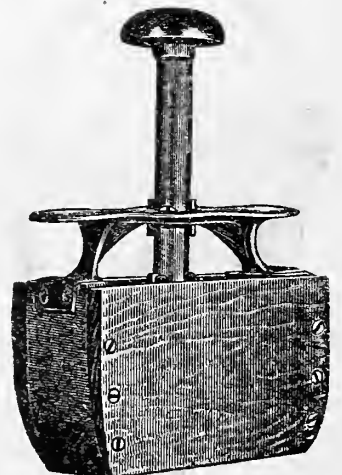
This printer is well made, durable, and where only a small amount of butter is to be printed, makes fully as satisfactory prints as one costing several times as much. The weight of the print may be quickly regulated by the two brass adjusting screws.

Eastern Style Print—4½x2½x2⅜ inches, \$2.75. Weight, 2 lbs.; add postage.

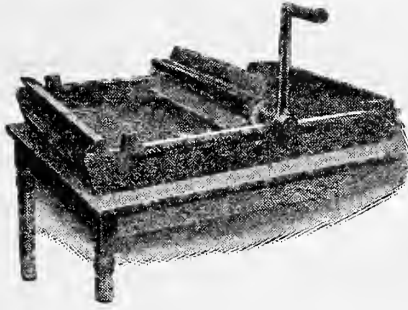
Up-to-Date Printer

Specially selected close grained hardwood; nicked brass trimmings. Size of prints quickly adjusted.

Printer to print pounds 4½x2½x2⅜ in. Each, \$4.00; weight, 4 lbs.; add postage.



Wizard Butter Worker

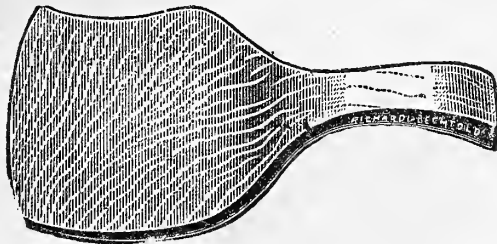


This style butter worker is a favorite with many. Butter is placed in the tray, salt added then worked by turning the crank, which causes the fluted roller to travel to and fro. The metal parts are all galvanized to prevent rust. Cut shows worker set on table, but prices below are for worker only without legs.

No. 3—Size, 17x27 in. and 3 in. deep inside, capacity, 20 lbs.; weight, 25 lbs. Price, \$15.00. Add postage.

No. 4—Size, 14x23 in. and 2 3/4 in. deep inside, capacity, 10 lbs.; weight, 20 lbs. Price, \$12.00. Add postage.

Butter Ladles



Dairy Spoon

Corrugated Butter Paddle—2 3/4 x 9 3/4, each, 25c.

Dairy Spoon—5x12, each, 40c.

Plain Butter Paddle—5x12, each, 35c.

Postage 5c extra.

MILK BOTTLES

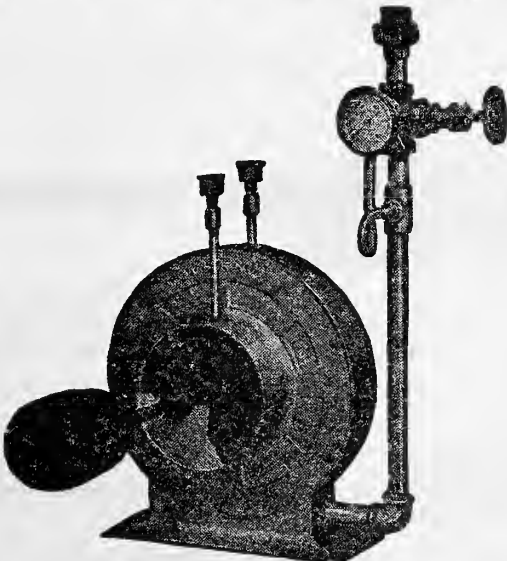
There are various grades of milk bottles on the market and, unfortunately, there are still some people who consider a milk bottle a milk bottle. Our bottles are the well known and well made Thatchers. Our large dairies and creameries use the Thatcher almost exclusively. There must be a reason.

Half Pints, doz., \$1.00; 1/2 gross, \$3.25; gross, \$6.00.

Pints, doz., \$1.25; 1/2 gross, \$4.50; gross, \$8.75.

Quarts, doz., \$1.50; 1/2 gross, \$5.75; gross, \$11.00. Not available.

TURBINE BOTTLE WASHERS



The 20th Century

This bottle washer is made with a new gear-

less turbine, the speed being controlled by the governor. When the speed of the turbine reaches a certain point the governor operates to prevent the speed exceeding the limits of safety. This governor is in a separate case to keep out the moisture, which would have a tendency to cause the bearings to rust and cause it to act too slowly. The cover to this case can be removed in a moment and the speed adjusted at any desired point.

Price, \$42.25.

BOTTLE CAPS



BOTTLE CAPS—Stock print same as shown on cut—No lift, 60c per 1000; Perfection, with lift, 70c per 1000.

Cream and Buttermilk Caps, 70 per 1000.

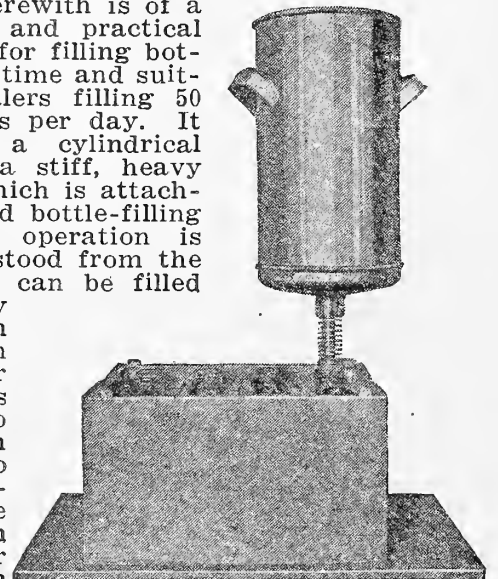
Plain, no printing, 60c per 1000.

Special prices on barrel lots of 50 M. printed with your name and address free.

Weight per M., 3 lbs. Add postage.

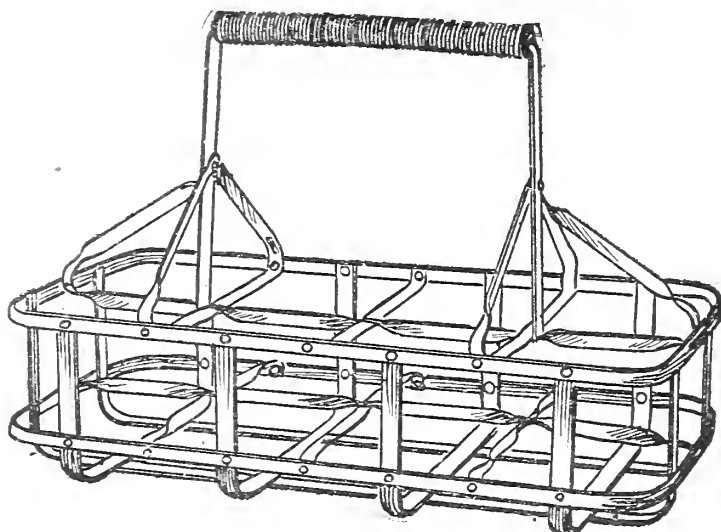
SINGLE VALVE FILLER

The cut herewith is of a very simple and practical bottle filler, for filling bottles one at a time and suitable for dealers filling 50 to 300 bottles per day. It consists of a cylindrical can having a stiff, heavy bottom to which is attached a standard bottle-filling valve. The operation is easily understood from the cut. Bottles can be filled in delivery cases or when setting on table or bench. Fills all bottles to an even height, no topping or re-filling. Valve can be taken apart for cleaning in less than five seconds. Price, tin can, no case furnished, \$19.25.



See Sol-Hot Brooders—Page 94

BOTTLE CARRIERS

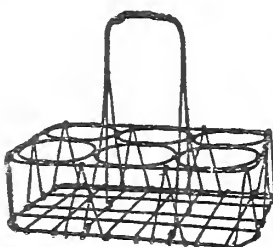


These Carriers are made from $\frac{3}{8}$ -inch Cold Rolled Flat Steel Wire, Riveted in each intersection and Hot Galvanized after made. They are constructed for carrying quart bottles and have a lower partition so that they will hold pint bottles also. Eight quarts. Price, \$2.25. Weight, 5 lbs.; add postage.

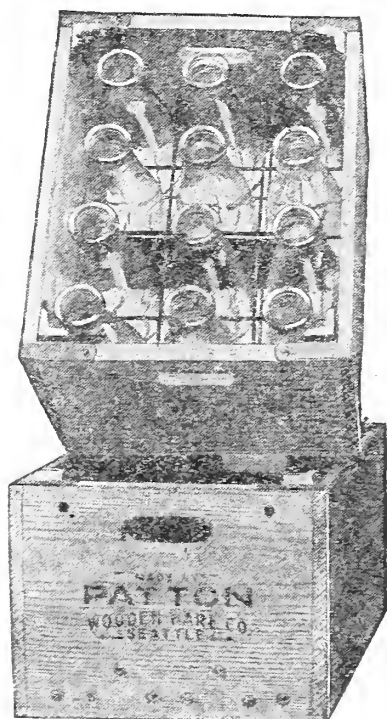
Galvanized, with improved handles.

12 bottles, $\frac{1}{2}$ pints, ea. \$1.25
6 bottles, pints, each.... 1.00

Weight, 3 lbs. and 4 lbs. each. Add postage.



BOTTLE DELIVERY CASES



12-quart, \$1.75;
weight, 13 lbs.;
add postage.

20 - pint, \$1.75;
weight, 11 lbs.;
add postage.

20 half - pint,
\$2.00; weight, 13
lbs.; add postage.

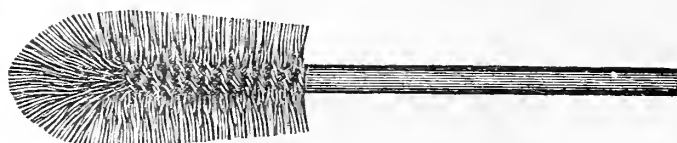
BRUSHES—Bottle Fillers



No. 828—For air tubes, white bristle, brush part $\frac{1}{2}$ -inch diameter, 3 inches long, length over all, 20 inches. Price, 25c.

Add 5c to all brushes if forwarded by mail.

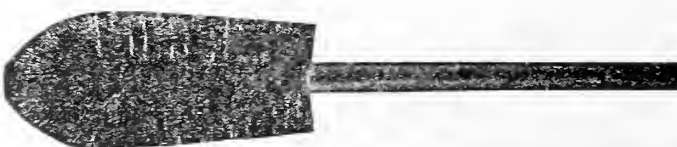
Bottles, Milk



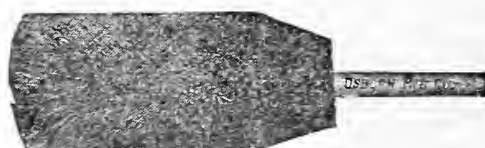
No. 72.—See description bowl brush No. 72. Price, 65c.



No. 73.—See description bowl brush No. 73. Price, 75c.



No. 86.—See description bowl brush No. 72, with exception of stiff bristle and better quality. Price, each, 75c.



No. 123—Stiff gray hair, brush part 3 inches diameter, tapered to $1\frac{1}{8}$ inches diameter at handle end; $6\frac{1}{2}$ inches long; hickory handle, $\frac{3}{4}$ inch diameter, 5 inches long, tapered to $\frac{1}{2}$ inch diameter at end. Price, 70c.



No. 61—Stiff bristle body and tufts, brush part $3\frac{1}{4}$ inches wide, $2\frac{1}{4}$ inches thick, 7 inches long, hardwood handle, $\frac{1}{2}$ inch diameter; 10 inches long. Price, 45c.



No. 124—Same brush as No. 123, with the single exception of handle being 9 inches long. Price, 70c.



No. 82—Extra stiff gray hair, brush part 3 inches diameter, $5\frac{1}{2}$ inches long, hickory handle, $\frac{3}{8}$ -inch diameter, 10 inches long. Price, 60c.

Bottles, Test



No. 835—For Babcock 10% milk bottles; white bristle; brush part $1\frac{1}{8}$ inches diameter, 3 inches long, length over all $11\frac{1}{2}$ inches. Price, 25c.



No. 833—For Babcock cream bottles; white bristle in body and tuft; brush part $1\frac{5}{8}$ inches diameter, $3\frac{1}{4}$ long, length over all 10 inches. Price, 30c.

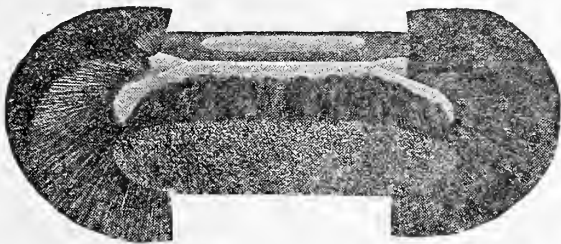
Bowl

No. 812—Small, black china bristle; brush part $\frac{3}{4}$ -inch diameter, 3 inches long; length over all $8\frac{1}{2}$ inches. See cut spout brush No. 812. Price, 25c.

No. 72—Black china bristle; brush part $2\frac{3}{4}$ inches diameter, 6 inches long; handle 9 inches. See cut milk bottle brush No. 72. Price, 65c.

No. 73—Black China Bristle; brush part $3\frac{1}{4}$ inches diameter, 6 inches long, hickory handle, $\frac{1}{2}$ -inch diameter; 9 inches long. See cut milk bottle brush No. 73. Price, 75c.

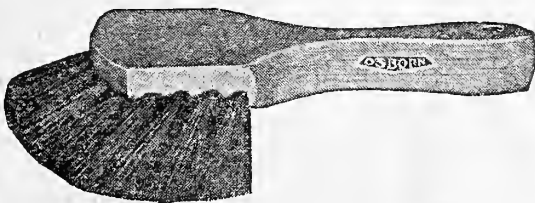
Can



No. 08—Stiff Palmetto Fibre; length on face, 10 inches; width on face, 5 inches. Price, 50c.



No. 412—Palmetto fibre, straight handle, brush part 5 inches diameter; 5 inches long; length over all, 29 inches. Price, 90c.



No. 416—Stiff Palmetto fibre, brush part 5 inches wide, 4 inches long; length over all, 10 inches. Price, 50c.

MILK COOLER



No. 286—Palmetto fibre, 2 rows wide, length of fibre 13-16 inches, curved handle, $14\frac{1}{2}$ inches long. Price, 40c.

Spout



No. 812—See description bowl brush No. 812. Price, 25c.



No. 815—Extra stiff black china bristle; brush part 5 inches by 2 inches diameter; length over all, 15 inches. Price, 35c.

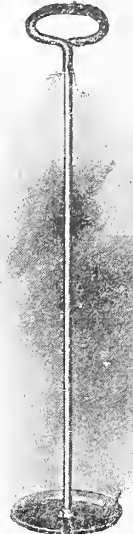
Add 5c to all brushes if forwarded by mail.

Stirrer and Sampler

Duro Sampler has saucer-shaped disc of steel firmly attached to wrought iron handle of sufficient length to reach bottom of 10-gallon can.

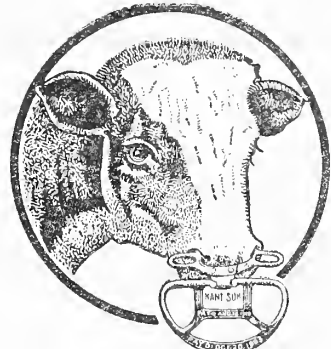
Duro Stirrer is the same as Duro sampler with the exception that there are five holes punched in bowl of stirrer to make stirring more effective.

Sampler and Stirrer, 65c each. Weight 2 lbs. Add postage.



Duro Stirrer

Wagner's Calf Weaner

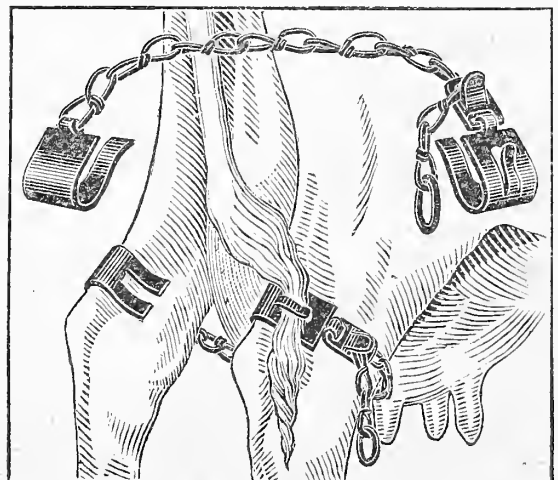


A perfect, humane and effective device. The hinge construction of this article allows the calf and cow to graze in the same pasture, yet effectually prevents sucking. It is easily applied. Once used always used. KANT SUCK Weaners have no equal.

Calf size, 75c; postpaid, 80c.

Cow size, \$1.00; postpaid, \$1.05.

Anti Cow Kicker



So-Boss Cow Hobble and Tail Holder fits snugly over the tendons of cow's hind legs and is readily drawn into holding position by draw-

ing chain through lock to any desired tension. Automatically locks itself in any position when free end of chain is dropped. Stops kicking, side-stepping and tail switching while cows are being milked. Equally useful whether cows are milked by hand or machine.

Chain is approximately 22 inches long and has ring attached to free end. Price, 75c. Weight, 2 lbs. Add postage.

BRONZE BULL RING

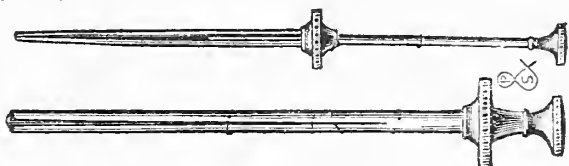


Is made of a special material of hardest and toughest texture, giving a very high and smooth finish. A quality product made to meet the demand of stockmen who require something superior to the ordinary ring. The sharp smooth point cuts a clean hole. Size $2\frac{7}{8} \times \frac{3}{8}$ inches. Price, \$1.75; postpaid, \$1.80. Large size, \$2.25; postpaid, \$2.30.

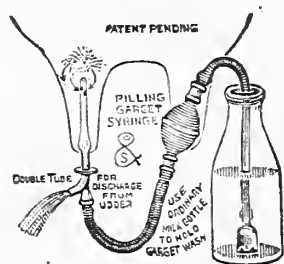
CATTLE INSTRUMENTS



CATTLE TROCAR—Will promptly and safely relieve bloat. Every owner of cattle should have one on hand. Easy to use. Price, 1.50; postpaid, \$1.60.



TEAT DILATOR—A finely made instrument, dilates without cutting. Nothing better made for this purpose. Price, \$1.00; postpaid, \$1.10.



GARGET SYRINGE—Has a special make of rubber tubing, which allows the flow to be continuous instead of intermittent. It also has a double channel metal tube. One part of this tube is to inject the Garget Remedy into the udder and the other part allows the fluid, dead

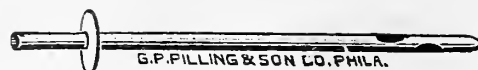
germs and other impure matters to escape from the udder.

Pilling Garget Syringe Outfit Consists of Pilling Garget Syringe, Pilling Remedy (30 treatments), Pilling Animal Soap. Price, \$4.00; postpaid, \$4.10.

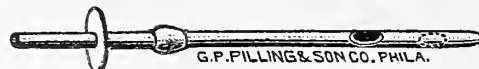


HARD RUBBER TEAT PLUG—Especially designed for two purposes: First, to prevent dropping of milk

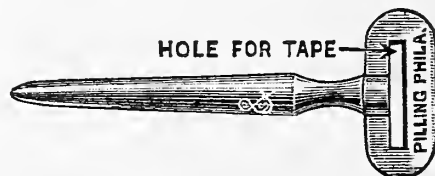
in cows where there is relaxation of the little muscles at the end of the teat and consequent leakage of milk; and, secondly, to dilate the canal of the teat above the muscle in cases where hard milking is due to the contraction of this part of the canal. Price, 50c; postpaid, 55c.



MILKING TUBE—Plain, plated 3 inches. Price, 50c; postpaid, 55c; 4 inches, price, 60c; postpaid, 65c.



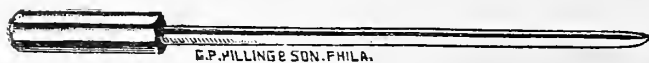
MILKING TUBE—Self-retaining; 3 inches. plated. Price, 60c; postpaid, 65c. 4 inches, 75c; postpaid, 80c.



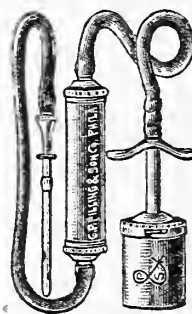
TEAT EXPANDERS—Of metal, nickel-plated, is intended to expand and enlarge the opening of hard-milking teats. Also at the same time, it expands the milk canal; it is considered the best method of treating hard milkers. Easy to use. Price, 50c; postpaid, 55c.



LEAD PROBE—For enlarging opening in the cow's teats. 25c; postpaid, 30c.



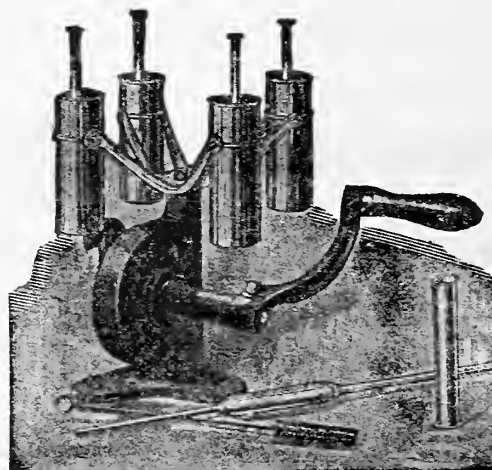
The Pilling Teat Opener is simply used as a reamer or dilator to pass the obstruction. It does not cut the obstruction. It is highly recommended by veterinary surgeons, dairymen and stock breeders, who have successfully used it for years. Price, 75c; postpaid, 80c.



MILK FEVER OUTFIT—Is made, according to specifications described in Farmers' Bulletin, 45, issued by the Bureau of Animal Industry, U. S. Department of Agriculture, except we do not use the rubber bulb, which so easily rots; but in its place we furnish, without extra charge, our patented Metal Pumps, which will last a lifetime.

Milk Fever Outfit Metal Pump and Regulator Tube, \$3.50; postpaid, \$3.60.

MILK TESTER



Many thousands of "Official" testers have been sold. It is used by dairymen, farmers, in

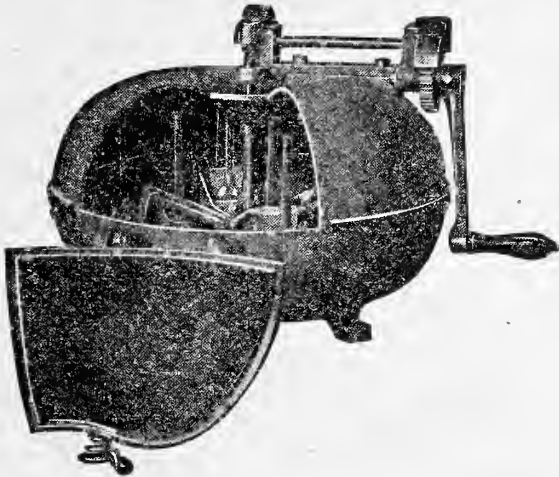
hotels, restaurants and laboratories. It does accurate work, and with the instructions furnished anyone can make a perfect test. The most convenient and accurate of any low priced hand tester ever offered.

Made in two and four bottle sizes. Each tester includes a full set of bottles, pipette, acid measure, test bottle brush and full directions for making tests.

	Price	Weight
No. 1—2-bottle, milk only.....	\$6.00	16
No. 2—4-bottle, milk only.....	7.50	16
No. 3—2-bottle, milk and cream....	6.75	16
No. 4—4-bottle, milk and cream....	8.25	18

Order by number. Add postage.

20th Century Milk Tester



This is an especially fine hand tester, and is built for dairies which are without the steam apparatus necessary to run a turbine tester. A speed of from 900 to 1,000 revolutions per minute can easily be obtained. All gears are encased and at the top of the machine; are milled in special milling machine; are absolutely accurate and therefore noiseless. The bottles are perfectly enclosed, doing away with danger from flying glass, acid, etc., should one of the bottles break. No glassware included, eight bottles. Price, \$22.50.

ACID DIPPERS

17.5 C. C.—Each, 50c; 1/2 doz., \$2.50; doz., \$4.75.
8.8 C. C.—Each, 50c; 1/2 doz., \$2.50; doz., \$4.75.

ACID MEASURE

17.5 C. C.—Each, 25c; 1/2 doz., \$1.25; doz., \$2.00.
8.8 C. C.—Each, 25c; 1/2 doz., \$1.25; doz., \$2.00.

PIPETTES—Plain

17.6 C. C.—Each 50c; 1/2 doz., \$2.50; doz., \$4.50.

TEST BOTTLES

Cream, 6-inch, 9-gram, graduated to 50%.
Cream, 9-inch, 9-gram, graduated to 50%.
Milk, 6-inch, 18-gram, graduated to 8%.
The above three test bottles. Each, 50c; 1/2 doz., \$2.50; doz., \$4.50.
Skim Milk—Each, \$1.00.

We do not guarantee safe delivery of glassware.

STRAINER CLOTHS

ABSORBENT COTTON—An approved cotton for filtering milk, prepared in rolls, neatly wrapped and sealed. One 1-lb. roll, \$1.00; add postage.

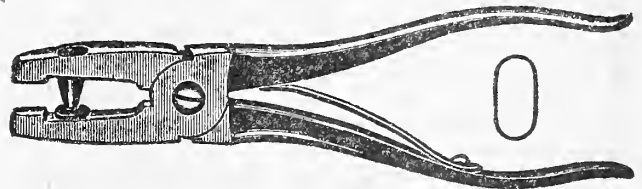
RED CROSS FILTER CLOTH—Is a specially woven cloth with the nap raised and is intended to take the place of ordinary cotton and strainer cloth, as it combines in itself the qualities of both. It is especially commended for use in filter vats, and can strainers. 1-lb. rolls, 17 in. wide by 20 feet long, each, \$1.25; add postage.

Squares, 7x7 inches, packed 50 in box. Price, \$1.25. Weight, 2 lbs. Add postage.

PARCHMENT BUTTER WRAPPERS

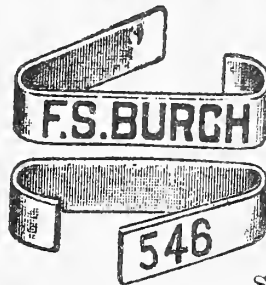
8x11—Plain.....100, 25c; 500, \$1.15; 1000, \$2.00
Printing name and address additional: 500, \$2.25; 1,000, \$3.00; 1,500, \$3.25. Not less than 500 printed.
Weight, per thousand, 7 lbs.; add postage.

PUNCHES Ear Label Punch



This punch is made for inserting the labels only. It is necessary to cut hole in ear and also to seal labels. Price, \$1.50; postpaid, \$1.60.

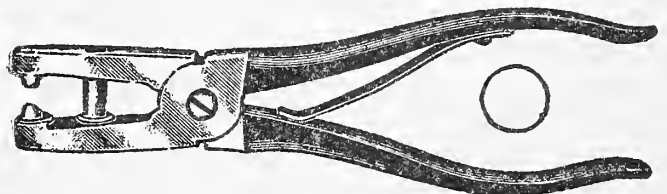
EAR TAGS



	Sheep and Hogs.	Cattle.
25 name and number.....	\$.90	\$1.00
50 name and number.....	1.25	1.50
100 name and number.....	1.75	2.25
500 name and number.....	7.25	9.75
25 name only or number only.....	.80	.90
50 name only or number only.....	1.00	1.25
100 name only or number only.....	1.25	1.75
500 name only or number only.....	5.00	7.25

Name can be put on the one side, numbers on the other. Not more than 10 large size letters can be put on hog or sheep sizes, or 15 on cattle. Mailing weight, 100 sheep size, 1 lb.; 100 cattle, 3 lbs. Add 5c per 100 or less number for postage.

Combined Punch and Plier



This combined punch and pliers are especially made for adjusting the buttons. The cutter makes the necessary hole, and the nipples seal the button.

Each, \$1.50; postpaid, \$1.60.

IDEAL EAR BUTTONS

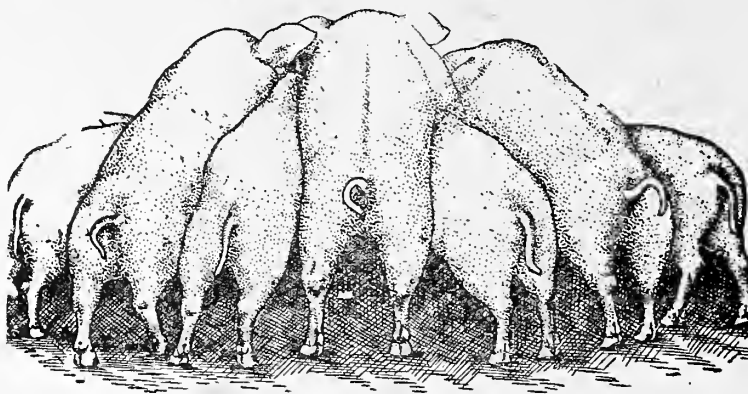
Are made of pure hardened aluminum, consisting of two parts or sleeves, thus giving an absolute seal that will not become loose. Name and number can be put on without additional cost.

25, \$1.50; 50, \$2.00; 100, \$3.50; 500, \$15.25.

Add 5c per 100 or less number for postage.



Ryde's Pig Meal

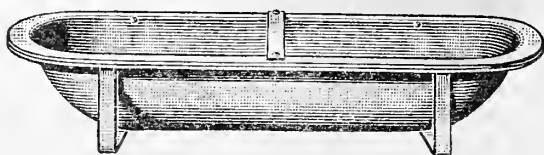


MAKING HOGS OF THEMSELVES RYDE'S PIG MEAL

is the greatest pig developer on the market today. It contains every possible ingredient in the correct proportion that they require to push them forward to maturity in the shortest possible time.

25-lb. bag, \$1.25; 50-lb. bag, \$2.25; 100-lb. bag, \$4.00. Prices subject to change. Add postage.

Seamless Hog Trough



The most durable, rigid, non-upsetting trough; pressed from a single sheet No. 22 gauge steel heavily galvanized.

No seams to rust, no corners to accumulate dirt, with smooth round easily cleaned bottom.

This trough will permit contents to freeze without springing a leak, as is common with seamed or jointed troughs.

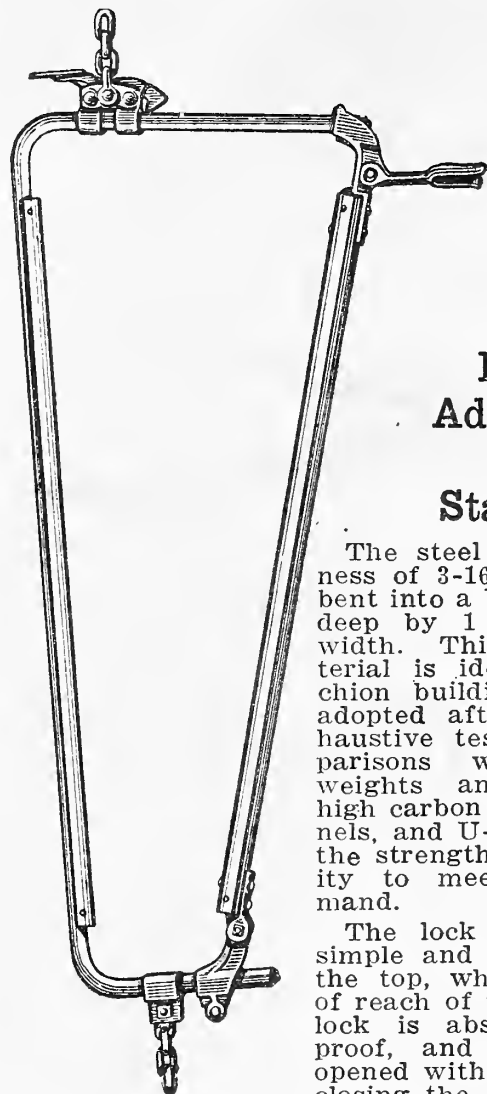
Legs snap in place; are rigid and have four holes for securely fastening to the floor if desired.

Length over all 26 inches, inside 24 inches. Width over all 12 inches, inside 10 inches. Depth over all 5 inches, inside 4¾ inches. Holds three gallons.

Price, \$1.50. Weight, 6 lbs. Add postage.



From practical tests it has been fully demonstrated that as good calves can be raised on Ryde's Cream Calf Meal as can be raised on milk, and by using Ryde's Cream Calf Meal they can be raised much cheaper. This is one of the richest and best substitutes for milk on the market, as it contains everything needed to make calves grow and keep them healthy, as the ingredients are prepared in the most di-



Hall's Adjustable Cow Stanchion

The steel has a thickness of 3-16 inch, and is bent into a U-Bar ¾ inch deep by 1 5-16 inch in width. This heavy material is ideal for stanchion building, and was adopted after many exhaustive tests and comparisons with other weights and forms of high carbon beams, channels, and U-Bars. It has the strength and durability to meet every demand.

The lock is extremely simple and is located on the top, where it is out of reach of the cow. This lock is absolutely cow-proof, and yet can be opened with one hand. In closing the stanchion the

side bar is pushed against the latch and the hook engages over a heavy steel trip.

The heavy malleable hinge is on the right side of the bottom of the Hall Stanchion. You will note how easy it is to adjust the stanchion to various widths. The loosening of one bolt enables you to move the hinge casting to the desired position. Then the two bolts on the top allow the lock casting to be moved either way to the proper place.

The wood linings are of a select grade of wood, shaped to fit the U-Bar.

Each stanchion is furnished with three links of welded suspension and four links of welded anchor chain, which give it a free movement within a reasonable radius.

Price, \$5.00.

Stock Feed

The quotation made on stock feed are present market values. These are all subject to change. All feeds will be shipped at prices prevailing when goods are shipped. Write for prices in quantities.

Oil Meal

The advantages of feeding Oil Meal are well known.

Oil Meal\$3.50

Write for prices, stating amount wanted. Prices subject to change.

gestible forms. It is easy to use and has proved to be the most profitable feed to use in the rearing of calves. 100 pounds makes 100 gallons perfect milk substitute. 25-lb. bag, \$1.75; 50-lb. bag, \$3.25; 100-lb. bag, \$6.00 Add postage.

DIGESTER TANKAGE

Every well informed feeder knows that corn and other home grown feeding stuffs lacks protein and phosphates.

Brood sows must have plenty of protein and phosphates in their rations, otherwise they will farrow weak, puny pigs, defective in bone and muscle.

Price, 100 lbs., \$4.50; 500 lbs., \$22.00; 1/2 ton, \$43.00; ton, \$85.00.

STOCK TONICS

Conkey's

STOCK TONIC—It keeps up appetite, insures full digestion of the ration, prevents waste of feed, that is, brings you the most possible return for every pound of feed. Not a food itself, but a medicine. 30c, 60c; mailing weight, 2 lbs., 4 lbs.; add postage.

GOLD COIN—60c, \$1.20. Mailing weight, 4 lbs., 8 lbs.; add postage.

STOCK REMEDIES

Conkey's



FLY KNOCKER—All the time your stock is pestered by flies you are losing your profits. Use it on your horses and cattle night and morning. Does not injure the hide; odor will not taint milk. Keeps flies off, kills every one it hits, prevents lice and grub. Qt., 70c; 2 qts., \$1.15; gal., \$1.75. Not available.

Gold Coin

COLD AND DISTEMPER REMEDY—A specific for distemper in young or old horses. Pkg., 60c; postpaid, 70c.

CONDITION POWDER—For sick animals. A high class medicine for fevers and all acute diseases. Packages, 60c; postpaid, 70c.

FLY KILLER—All the time your stock are bothered by flies you are losing your profits. Use it on your horses and cattle night and morning. Does not injure the hide, odor will not taint milk. Keeps flies off, kills every one it hits, prevents lice and grub. 2 qts., \$1.15; gal., \$1.75. Not available.

WORM POWDER—Kills all worms and bots in horses, hogs, sheep, dogs, etc. Package, 60c; postpaid, 70c.

Kow Kare

Is different from any other cow remedy. Is specially recommended for barrenness, Scours, milk fever, also for abortion and the removal of retained afterbirth, etc. It acts as a tonic for the system, renewing vitality and restoring appetite. It thus increases milk production by promoting better health and vigor. Per can, 65c and \$1.25. Mailing weight, 2 and 4 lbs. Add postage.

Bag Balm

A soothing penetrating salve for all affections of the bag. Price, 60c. Weight, 1 lb. Add postage.

Garget Cure

This is undoubtedly the best article on the market for the purpose for which it is used. Price, 65c. Weight, 2 lbs. Add postage.

B-K



B-K is a very powerful disinfectant but not a poison. It is much stronger than coal tar disinfectants. It is cheaper to use than other disinfectant because of its great strength and the amount of dilution that can be used. It is odorless and colorless. Very largely used in stables and by our large dairies and creameries. Also by hotels, restaurants, etc. 4-oz. bottle, 35c; 10-oz. bottle, 60c; 32-oz. bottle, \$1.25; 1 gal., \$3.00; 5 gallons, \$12.50. Not available.

Wyandotte



This is the great cleaner and cleanser used by nearly all dairymen and creameries. This is specially prepared for the purpose for which it is used, and the best recommendation it has comes from those who have used it and compared results obtained from the use of this and other similar preparations. It is conceded to be the best preparation of its kind manufactured. 5-lb. bag., 50c; 80-lb. kegs, \$6.15; 280-lb. barrels, \$18.00.

Alkali Special, 300 lbs., \$21.50.
Add postage on the 5-lb. bags.
Prices subject to change.

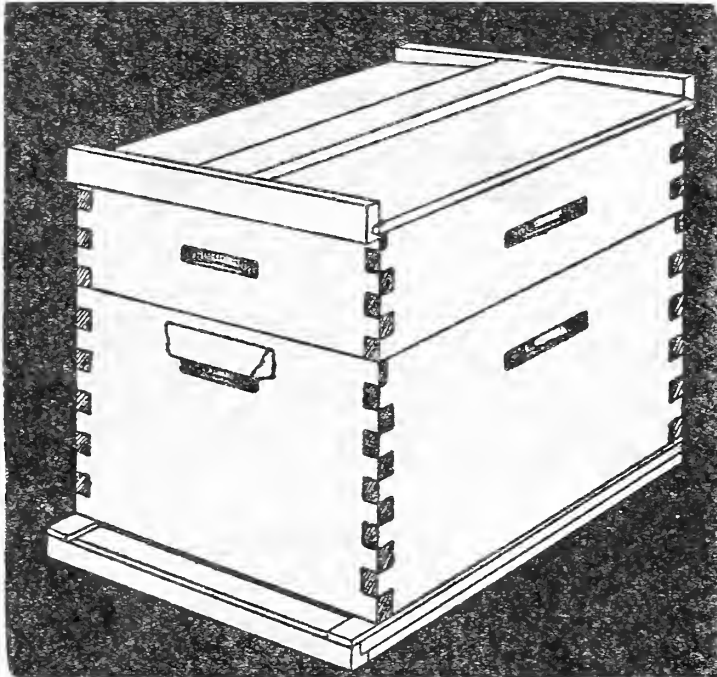
Bee Supplies

DOVETAILED HIVES—The dovetailed hive is now the leading hive, as it contains many of the most desirable features of the various hives for the rapid handling of bees, and is one of the cheapest and best hives manufactured.

DESCRIPTION—The body is 7/8 inch thick, and is fitted with metal rivets of an improved style. Outside of body is 13 7/8 x 20 inches, and 9 1/2 inches long. The body holds eight Hoffman frames, L size, and a division board. The frames hang below the top edge of the hive, so that there is a bee space above them, but the bottoms of the frames are flush with the bottom edges of hives, the bee space being made by the projection of the sides and can be enlarged or decreased by investing bottom board. The bottom is 14 x 21 inches. The cover is made with grooved cleats at each end to prevent warping.

The supers are the same size as the body of hive, but only half the depth, so that when two are put together they make a full-depth body. The inside width of the body is 12½ inches, giving room for eight frames and a division board. There are objections to using sections other than 4½x4½, as they require special sized shipping cases and special sized cartons.

Complete hive consists of 1 body, 1 super, 1 bottom board, 1 cover, 8 Hoffman brood frames, 2 wedges for super, 6 section holders, 6 slotted separators.



EIGHT-FRAME HIVE.

			Wt.	Wt.
			Nailed	5-K. D.
1 Story	\$3.25	\$12.50	25	115
1½ Story	4.50	17.50	31	150
50 Bodies Empty	.90	3.75	9	50
50 Hive Covers	.90	3.50	9	40
50 Bottom Boards	.80	3.00	8	35

No division boards in hives. Add postage.

TEN-FRAME HIVE

			Wt.	Wt.
			Nailed	5-K. D.
1 Story	\$3.50	\$13.50	32	150
1½ Story	5.00	19.00	42	200
Bodies Empty	1.00	4.25	12	55
55 Hive Covers	1.00	4.00	12	55
55 Bottom Boards	.90	3.50	9	50

No division boards in hives. Add postage.

SUPER-EIGHT FRAME HIVE.

			Wt.	Wt.
			Nailed	5-K. D.
Super Comb Honey	\$1.30	\$5.25	9	40
Super Extracting	1.30	5.25	10	45
Super Empty				
Comb Honey	.55	2.25	9	40

SUPER-TEN FRAME HIVE.

			Wt.	Wt.
			Nailed	5-K. D.
Super Comb Honey	\$1.50	\$5.75	11	50
Super Extracting	1.50	5.75	11	50
Super Empty				
Comb Honey	.65	2.75	6	25

No division boards in Supers. Add postage on all bee supplies.

BEE HIVE EXTRAS

			Each	50	100
Division Boards for Brood Chamber	15c	\$6.75	\$12.50		
Weight, each, 1 lb.					Add postage.

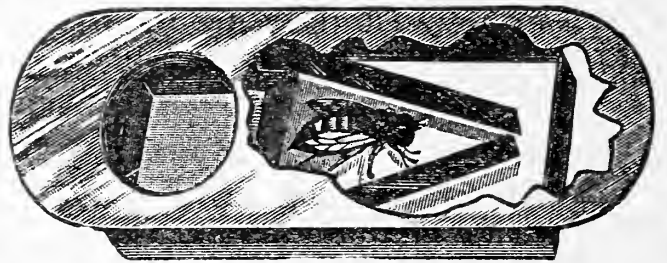
		Each	50	100
Division Boards for Deep Supers	15c	\$6.00	\$10.50	
Weight, each, 1 lb.				Add postage.

		Each	50	100
Section Holders, slotted	5c	\$2.00	\$3.75	
Weight, 100, 35 lbs.				Add postage.

		Each	50	100
Slotted Separators	4c	\$1.25	\$2.00	
Weight, 100, 8 lbs.				Add postage.

		Each	50	100
Super Followers	10c	\$3.00	5.50	
Super Springs	3c	.75	1.25	
Spring Steel Hive Tool	60c	postpaid	.70	

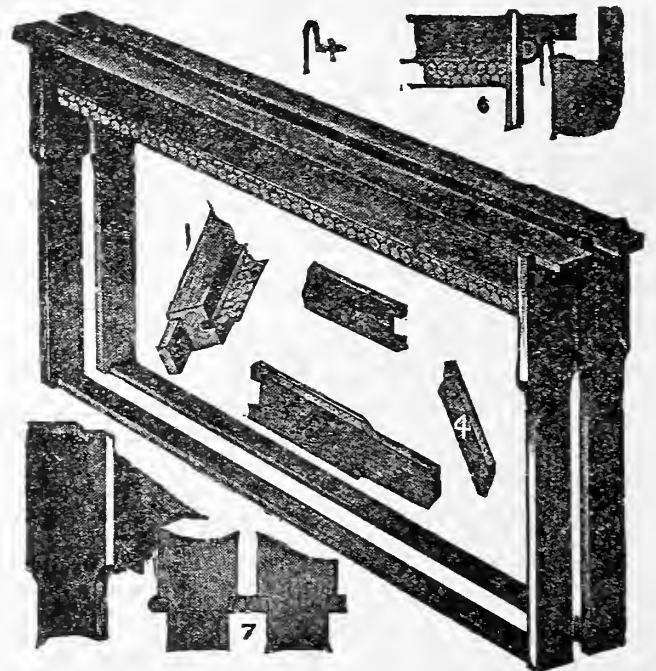
Bee Escapes



Porter

No apiarist can afford to be without bee-escapes. In taking off honey it is the greatest labor saving device that has been introduced in late years. It avoids shaking heavy spurs to get the bees out. Single, 25c; single, with board, 65c; double, 35c; double with board, 75c. Add 5c for postage. When ordering state if wanted for a 8 or 10 frame hive.

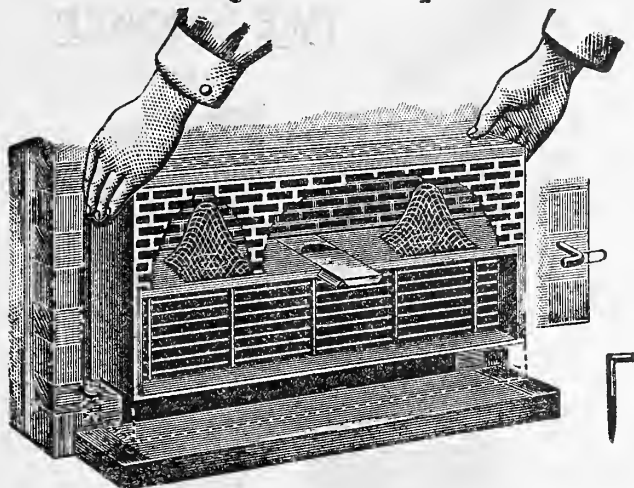
Brood Frames



The Hoffman Improved Foundation Fastening Frames are the latest and best brood frames. The top bar is made with a beveled strip which holds the foundation in place, perfectly straight and exactly in center to top bar. It seems to combine in itself nearly all the good features and for a hanging frame it is the best self-spacer we know of. It economizes labor in that it can be handled in groups of three or four; and any particular frame can be removed without thumbing over nearly all the other frames in the hive to get room. Price, each, 8c; 50, \$3.00; 100, \$5.75. Weight, per 100, 55 lbs. Add postage.

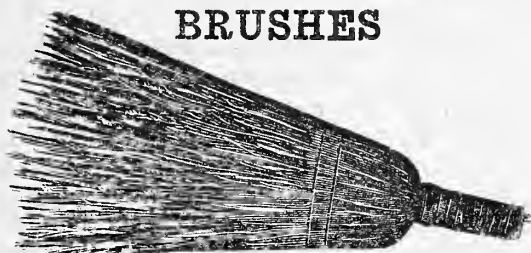
Shallow Extracting Frames: Price, each, 8c; 50, \$3.00; 100, \$5.25. Weight of 100, 28 lbs. Add postage. Metal Spacers only, 100, \$1.25.

Alley's Combined Drone and Queen Trap



A perfect non-swarmer arrangement. Weight 1 lb. Each, 8 frame, \$1.00; 10 frame, \$1.10; add postage.

BRUSHES



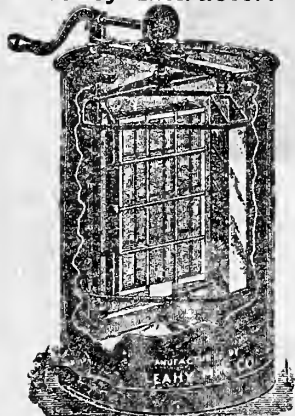
Cogshalls

BRISTLE—This is a strong, durable brush, made of black bristles. Price, 50c; postpaid, 55c.

COGSHALLS—This is a sort of whisk broom especially adapted and made for brushing bees. The strands are thinned out and longer, so as to give a soft pliable sweep to the combs. 30c; postpaid, 35c.

Extractors

Cowan's Rapid Reversible Honey Extractor.



Two-frame Cowan's Reversible for Regulating Frames. Price, \$37.50.

If there is any one thing that is more essential to the successful manipulation of bees, aside from a good bee smoker, that one thing is a good honey extractor. If you have but ten colonies of bees it will pay you to have an extractor. Indeed, it would pay for itself in one good season, as oftentimes the brood combs become so filled with honey that the queen is crowded for room, and this honey should be extracted, and could be sold in the extracted form or used in feeding back for completing partly filled sections. Made of best steel.

Comb Foundation

Size of Sheet.	No. to lb.	Per lb.	Per 5-lb.	Per 10-lb.
Medium Brood, $7\frac{7}{8} \times 16\frac{7}{8}$	7	\$.90	\$4.40	\$8.50
Light Brood, $7\frac{7}{8} \times 16\frac{7}{8}$	9	.95	4.65	9.00
Thin Super, $3\frac{3}{4} \times 15\frac{1}{2}$	28	1.00	4.90	9.50
Ext. Thin Super, $3\frac{3}{4} \times 15\frac{1}{2}$	30	1.05	5.15	10.00

Add postage.

Gloves



Gloves for protection of the hands and wrists are almost indispensable.

Canvas with sleeves, medium and large, \$1.25; postpaid, \$1.35.

Honey Knife



Price, \$1.75; postpaid, \$1.80.

Queen Cages



The cover, to insure prompt delivery, is printed in exact fac simile of cut. On the reverse side are printed directions for introducing Queens, Benton, 15c each.

Queen Excluding Zincs

This is used between the upper and lower stories, to prevent the queen going up above. It is also used in making entrance guards, queen and drone traps, etc.

For 8-frame hive, unbound, 12x19, 50c.

For 8-frame hive, wooden bound, 13 $\frac{1}{4}$ x20, 60c.

For 10-frame hive, unbound, 14x19, 55c.

For 10-frame hive, wooden bound, 16x20, 65c.

8-frame, 7-wire-and-wood, 13 $\frac{7}{8}$ x20. Price, 90c.

10-frame, 7 wire-and-wood, 16 $\frac{1}{4}$ x20. Price, \$1.00.

Add 10c each for postage.

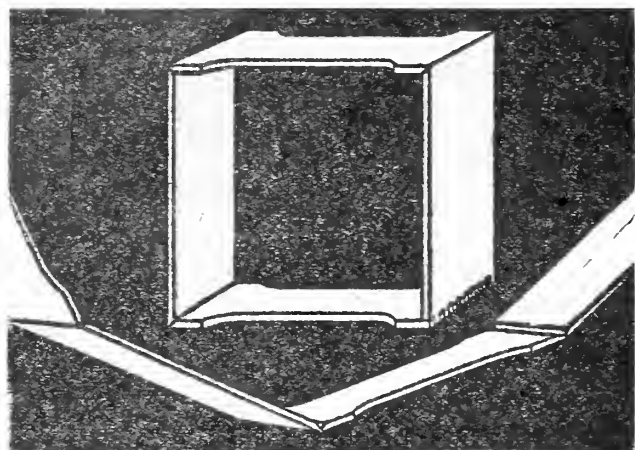
Owing to the uncertainty of the price of zinc, prices quoted for all items which include zinc in their make-up are not guaranteed and items will only be sent out at prices prevailing when order is filled.

Bee Books

The Amateur Bee Keeper, by Prof. J. W. Rouse, 80 pages, 50c; postpaid, 55c.

The A B C and X Y Z of Bee Culture, by A. I. Root, \$3.00; postpaid, \$3.10.

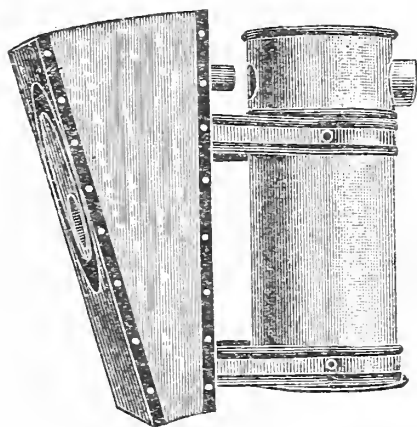
Section Honey Boxes



SECTIONS—Are made of the choicest white basswood lumber, and all are perfect in finish and free from defects. They are not all snow-white, but vary from that to light cream colors. Price, per 25, 50c; 100, \$1.75; 500, \$8.00; 1000, \$15.00. Weight 100, 6 lbs. Add postage.

Smokers

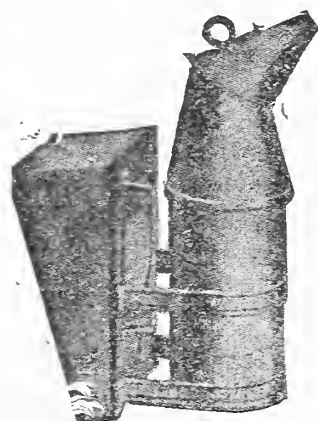
Every bee keeper needs a smoker. A little smoke puffed in at the entrance of a hive before opening it causes the bees to fill themselves with honey, and with their honey sacs well filled they become docile and their hive can be opened without much risk of the manipulator being stung.



Acme.

Acme — This is undoubtedly the best Cold Blast Smoker on the market. It has no tube in the fire box to clog. It throws a large volume of smoke at RIGHT angles to the fire box without a curved nozzle to lessen the blast. In fact, it is the perfection of smokers.

Price, \$1.00.
Weight, 2 lbs.
Add postage.



Higginsville

This smoker is, as its name implies, strictly a Higginsville product. It is a hot blast, and has a 3¼-inch fire box, and the nozzle is detachable to admit of filling or cleaning. It has as strong a blast as any smoker made.

Price, \$1.25. Weight, 2 lbs. Add postage.

Veils

A great necessity and very cheap. Cotton; silk face, \$1.25; postpaid, \$1.30.

Globe—Has five bars that will keep veil away from head. Price, \$1.60; postpaid, \$1.65.



Globe

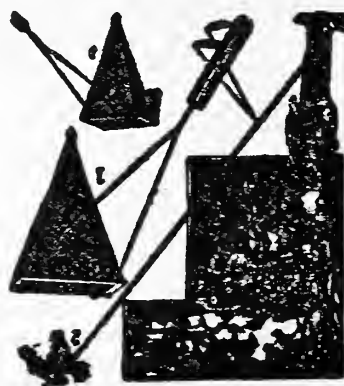


NEW BINGHAM
BEE SMOKER
Patented

BINGHAM DOCTOR—This is a strong, well-made smoker; does not clog up and will burn any fuel. This smoker resembles the Higginsville very much in appearance. In the Higginsville the nozzle or detachable snout fits over the outside of the smoker while in the Bingham it fits on the inside. In the Higginsville the nozzle is not attached to the smoker, while in the Bingham the nozzle is attached by means of an open hinge, but can be removed at will.

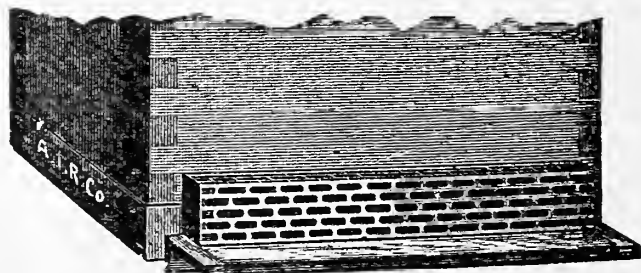
Price, \$1.50. Weight, 2 lbs.; add postage.

Swarm Catcher



This swarm catcher is the best article of its kind on the market, and it will be found a valuable addition to the appliances of the apiary. Without pole. Price, \$2.50. Weight, 3 lbs.; add postage.

Entrance Guards



These are to admit workers, and to exclude drones. After the drones are all out, fix guards over the entrance and at night the drones can be destroyed. For 8 and 10 frame hives. 30c; by mail, 35c.

Feeding

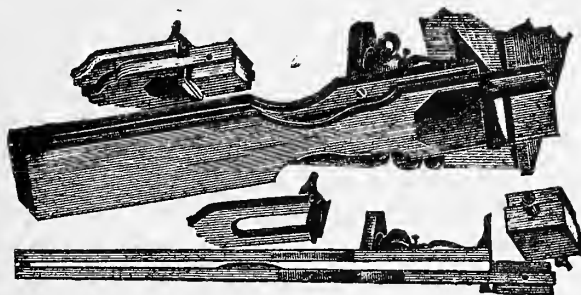
Bees are fed for two purposes: to stimulate brood-rearing or to supply them with necessary stores for winter. For stimulating a pint to a pint and a half of syrup daily either at the entrance at night or inside the hive should be given until the required amount of brood is reared. In preparing for winter it is better to give the necessary stores all at one feed. The feeder should be filled with syrup by mixing together granulated sugar and water in equal proportions by measure and stirring or heating until thoroughly dissolved.



Simplicity

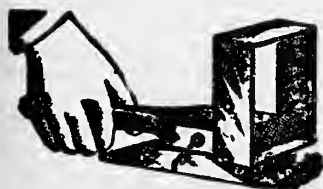
The Simplicity may be placed at the entrance at night, over the brood frames, by placing on top of the hive or in the brood-nest itself, if a couple of frames are removed. 25c; by mail, 30c.

Foundation Fasteners



Daisy

This is the best for putting starters into sections. Nothing could be more simple or more easily operated than this machine. With this a boy or girl will put starters in about 500 sections per hour. Weight, 6 lbs., without lamp, \$2.00; with lamp, \$2.50; add postage.



Parkers

The Parker Fastener is a cheap machine for fastening starters. With a little practice it can be made to work very satisfactorily. Price, 50c; postpaid, 60c.

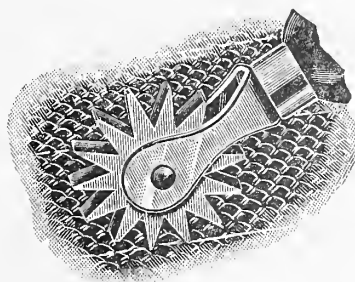
Wax Tube Fastener



Van Deusen

For fastening the foundation sheets to thin top-bars there is nothing better than the Van Deusen wax tubes. It is simply a brass tube half an inch in diameter, six inches long and tapering. This is filled with hot wax and the point is then slowly drawn along the edge of the foundation in contact with the top-bar, leaving a fine stream of hot wax to cement it. 50c; by mail, 55c.

Wire Imbedder



The latest spur wire imbedder is a most decided improvement over the old one. The teeth are wider and grooved in the direction of the circumference midway across front of teeth, so that the wheel will easily follow the wire. 50c; by mail, 55c.

Wire

No. 30 Tinned Wire seems to be the most suitable of any for wiring frames.

¼-lb. spools, each, 25c.

½-lb. spools, each, 40c.

1-lb. spools, each, 65c.

Postpaid, 30c, 45c, 75c.

Add postage.

PLANT A GARDEN

NUMBER OF PLANTS TO ACRE

Dist. Apart	Plants	Dist. Apart	Plants	Dist. Apart	Plants	Dist. Apart	Plants
12x 1 in.	522,270	25x18 in.	15,520	36x36 in.	4,840	60x60 in.	1,745
12x 3 in.	174,240	30x 1 in.	209,088	42x12 in.	12,446	8x 1 ft.	5,445
12x12 in.	43,560	30x 6 in.	34,848	42x24 in.	6,223	2x 3 ft.	1,815
16x 1 in.	382,040	30x12 in.	17,424	42x36 in.	4,148	8x 8 ft.	680
18x 1 in.	348,480	30x16 in.	13,068	48x12 in.	10,890	10x 1 ft.	4,356
18x 3 in.	116,160	30x20 in.	10,454	48x18 in.	7,790	10x 6 ft.	726
18x12 in.	29,040	30x24 in.	8,712	48x24 in.	5,445	10x10 ft.	435
18x18 in.	19,360	30x30 in.	6,970	48x30 in.	4,356	12x 1 ft.	3,630
20x 1 in.	313,635	36x 3 in.	58,080	48x36 in.	3,630	12x 5 ft.	736
20x20 in.	15,681	36x12 in.	14,520	48x48 in.	2,723	12x12 ft.	302
24x24 in.	10,890	36x18 in.	9,680	60x36 in.	2,901	16x 1 ft.	2,722
24x 1 in.	261,360	36x24 in.	7,260	60x48 in.	2,178	16x16 ft.	170

QUANTITY OF SEED TO ACRE

Alfalfa	8 to 15 lbs.	Grass—Rye, Oat Grass, Fescue Grasses.....	30 lbs.
Artichoke, 1 oz. to 500 plants	6 oz.	Grass—Orchard	20 to 30 lbs.
Asparagus, 1 oz. to 500 plants	1 lb.	Horse Radish Roots	15,000 to 20,000
Barley	60 to 75 lbs.	Kale, 1 oz. to 150 feet of drill.....	1 lb.
Beans, Dwarf, 1 lb. to 100 feet of drill.....	50 lbs.	Kale, thousand headed	1 lb.
Beans, Tall, 1 lb. to 150 hills.....	25 lbs.	Khol Rabi, 1 oz. to 150 feet of drill	2 lbs.
Beet, garden, 1 oz. to 50 feet of drill.....	5 lbs.	Kaffir Corn	6 to 8 lbs.
Beet, sugar, 1 oz. to 50 feet of drill.....	5 lbs.	Leek, 1 oz. to 100 feet of drill	4 lbs.
Beet, Mangel Wurzel, 1 oz. 50 ft. drill.....	5 lbs.	Lettuce, 1 oz. to 150 feet of drill	3 lbs.
Broccoli, 1 oz. to 2,000 plants	4 oz.	Melon, Musk, 1 oz. to 60 hills	2 to 3 lbs.
Brussels Sprouts, 1 oz. to 2,000 plants	4 oz.	Melon, Water, 1 oz. to 30 hills	3 to 4 lbs.
Broom Corn	12 lbs.	Millet	30 lbs.
Buckwheat	45 lbs.	Nasturtium, 1 oz. to 50 feet of drill.....	15 lbs.
Cabbage, 1 oz. to 1,500 plants	½ lb.	Oats	75 lbs.
Carrot, 1 oz. to 125 feet of drill	3 lbs.	Okra, 1 oz. to 100 feet of drill	8 lbs.
Cauliflower, 1 oz. to 2,000 plants	3 oz.	Onions, 1 oz. to 100 feet of drill.....	4 to 8 lbs.
Celery, 1 oz. to 5,000 plants	1 lb.	Onions, for sets	30 to 40 lbs.
Chicory, 1 oz. to 100 feet of drill	4 lbs.	Onion Sets, 1 lb. to 75 feet of drill.....	400 lbs.
Clover, Alsike	6 to 15 lbs.	Parsley, 1 oz. to 300 feet of drill.....	3 lbs.
Clover, White	6 to 10 lbs.	Parsnips, 1 oz. to 200 feet of drill.....	6 lbs.
Clover, White, for lawns	25 to 100 lbs.	Peas, Garden, 1 lb. to 50 feet of drill.....	60 lbs.
Clover, Red and Crimson	12 to 20 lbs.	Peas, Field	150 lbs.
Clover, sweet, hulled	15 lbs.	Pepper, 1 oz. to 100 plants	
Collards, 1 oz. to 2,000 plants	4 oz.	Potatoes	400 to 600 lbs.
Corn, Sweet, 1 lb. to 200 hills	8 to 12 lbs.	Pumpkin, 1 oz. to 30 hills	3 to 4 lbs.
Corn, field	8 to 12 lbs.	Radish, 1 oz. to 100 feet of drill	10 lbs.
Corn, fodder	8 to 20 lbs.	Rape, Dwarf Essex	5 to 10 lbs.
Corn, Pop	8 to 12 lbs.	Rutabagas, 1 oz. to 150 feet of drill	2 lbs.
Cress, 1 lb. to 100 feet of drill	1 lb.	Rye	60 to 80 lbs.
Cucumber, 1 oz. to 60 hills	2 to 3 lbs.	Salsify, 1 oz. to 50 feet of drill.....	8 lbs.
Egg Plant, 1 oz. to 2,000 plants	4 oz.	Spinach, 1 oz. to 100 feet of drill.....	8 lbs.
Endive, 1 oz. to 100 feet of drill	4 oz.	Squash, Summer, 1 oz. to 25 hills	3 lbs.
Flax, for seed, 30 lbs. to acre; for fibre.....	50 lbs.	Squash, Winter, 1 oz. to 12 hills	4 lbs.
Grass, Brome	25 lbs.	Sugar Cane	10 lbs.
Grass, lawn, 1 lb. to 300 sq. ft.	80 lbs.	Sunflower	8 lbs.
Grass, Kentucky Blue, Canadian Blue.....	20 lbs.	Tomato, 1 oz. to 2,000 plants.....	4 oz.
Grass, Sudan	10 lbs.	Turnip, 1 oz. to 150 feet of drill.....	2 lbs.
Grass—Timothy	6 to 12 lbs.	Vetches, Spring	60 to 90 lbs.
Grass—Red Top	10 to 15 lbs.	Vetches, Winter	30 to 60 lbs.
		Wheat	60 to 80 lbs.

WEIGHT OF SEED PER BUSHEL

Clovers.		Barley, Hulled.....	60	Red Top, Hulled.....	36	Liberty	50
Alfalfa	60	Corn, Ear.....	70	Rye, English.....	25	Siberian	50
Alsike	60	Corn, Shelled	56	Rye, Italian.....	22	White Wonder.....	50
Crimson	60	Oats	32	Sudan	22	Miscellaneous:	
Red	60	Rye	56	Tall Meadow Oat.....	14	Buckwheat	50-48
Sweet, Hulled.....	60	Wheat	60	Timothy	45	Flax	56
Sweet, Unhulled	40	Grasses:		Millet:		Peas, Smooth.....	60
White	60	Blue	14	Hog	50	Peas, Wrinkled	56
Grains:		Brome	14	Hungarian	48	Onion Sets, Bot-	
Barley	48	Orchard	14	Japanese	40	toms	32

USUAL DISTANCE FOR PLANTING

Bushes:		Roots:		Onions, drills, 2 to 3 ft.
Blackberries, 8x4 ft.		Asparagus, 2x3 ft.		Parsnips, drills, 2 to 3 ft.
" Mammoth, 8x12 ft.		Potatoes, 18 in. by 3 ft.		Peas, drills, 2 to 3 ft.
Currants, 5x3 ft.		Rhubarb, 3x4 ft.		Peas, broadcast, acre, 150 lbs.
Dewberries, 8x4 ft.		Sweet Potatoes, 2x4 ft.		Pumpkins, 8x8 ft.
Gooseberries, 5x3 ft.		Seeds:		Radishes, drills, 1 to 2 ft.
Raspberries, 7x3 ft.		Beans, bush, drills, 3 ft.		Salsify, drills, 1 to 2 ft.
Plants:		Beans, pole, 3x3 ft.		Spinach, drills, 1 to 2 ft.
Cabbage, Early, 16x30 in.		Beets, table, drills, 2x2½ ft.		Squash, bush, 3x4 ft.
Cabbage, late, 24x30 in.		Beets, stock, drills, 2x3 ft.		Squash, running, 8x8 ft.
Cauliflower, 2x3 ft.		Carrots, drills, 2x2½ ft.		Trees:
Celery, 6 in. by 4 ft.		Corn, sweet, 2x3 ft.		Apple, 30x30 ft.
Egg Plant, 3x5 ft.		Corn, field, 3x3 ft.		Cherry, 20x20 ft.
Peppers, 18 in. by 2½ ft.		Cucumbers, 4x4 ft.		Peach, 20x20 ft.
Tomatoes, 4x4 ft.		Lettuce, drills, 1x2 ft.		Pear, 20x20 ft.
Strawberries, hills, 1½x3 ft.		Melon, Musk, 5x5 ft.		Plum, 20x20 ft.
" matted rows, 1x3 ft.		Melon, Water, 7x7 ft.		Quince, 20x20 ft.

THE INLAND SEED CO. SPOKANE WASH.

No Goods Sent C. O. D. For Full Instructions About Ordering, See Inside Front Cover.

THE INLAND SEED CO. gives no warranty, express or implied, as to description, purity, productiveness or any other matter of any seeds, bulbs, plants or roots they send out, and they will not be in any way responsible for the crop.

Forward by.....P. O. Money Order \$.....
(State on this line whether wanted by Mail, Express or Freight.)

Your Name.....Exp. Money Order \$.....

Postoffice.....Notes and Silver \$.....

State.....Postage Stamps \$.....

Total - - \$.....

Express or
Freight Office..... Date....., 19.....

[illegible]

In making your order, please give the price, to avoid delay and error.

	Page		Page		Page
Alfalfa	55	Fertilizers	71-74	Parsley	22
Artichokes	3	Fish Food	110	Parsnips	22
Asparagus	3	Flax Seed	60	Peanuts	22
B-K.	121	Flex-o-Glass	105	Peas, Cow, Field	59
Beets	5-6-7	Flowers	30-44	Peas, Garden	22-23
Beans	3-4-5	Formaldehyde	84	Peppers	23-24
Bee Supplies	121-125	Fountain Heaters	103	Plants	51-52
Beeswax	92	Fruit Picking Bags	88	Plant Supports	50
Bcd Bug Destroyer	107	Garlic	15	Plant Props	50
Bird Seed	109	Gas Balls	87-88	Planters, Corn	79-80
Bird Supplies	109	Grains	60-63	Planters, Potato	79-80
Brooder Parts	97	Grain Sprouters	103	Plant Setters	79
Brooder Fixtures	93-94	Grafting Wax	92	Popcorn	13
Brooder Stoves	94-95	Grasses	57-58	Potatoes	54-55
Brussels Sprouts	6	Grass Hooks	91	Poultry Netting	104
Buckwheat	60	Grass Shears	91	Poultry Remedies	108
Bulbs	44-50	Herbs	29-30	Poultry Tonics	107
Cabbage	7-8-9	Hog Troughs	120	Poultry Pepper	107
Capon Sets	100	Hose	84	Pruners	89-90
Carbola	87	Hotkaps	54	Pruning Compound	92
Carrots	9-10	Hygrometer	96	Pumpkins	24-25
Cauliflower	10-11	Incubators	93	Pumps	81-82
Celery	11	Incubator Extras	97	Pumps Extra	83-84
Cel-o-Glass	105	Inoculation	74	Punches, Poultry	97
Chicory	11	Insecticides	85-87	Radishes	25-26
Clover Cutters	103	Jardinieres	92	Raffia	92
Clovers	55-57	Kale	15	Rape	59
Copper Carbonate	85	Khol Rabi	15	Respirators	86
Corn	12-13	Knives, Poultry	99	Rhubarb	26
Corn, Broom	60	Labels	92	Root Cutters	103
Corn, Egyptian	60	Ladders	88	Roots	52-53
Corn, Kaffir	60	Lamp Burners	96	Salsify	26
Corn Knives	80	Lamp Chimneys	96	Saws	90-91
Corn Sheller	104	Lamp Wicks	96	Seeders, Grass	80-81
Cress	13	Lamps	96	Seeders, Garden	75-77
Cucumbers	14	Lawn Edger	91	Shell Boxes	102
Cultivators	77-78	Leg Bands	97	Shipping Coops	101
Cyanogas	71	Leek	16	Ship Boxes, Day Old chicks	101-102
Dairy Supplies	110-120	Lentils	60	Shears, Hedge	91
Day Old Chicks	95	Lettuce	16-17	Sprayers	82-83
Day Old Chick Boxes	101	Lice Killers	107	Spray Materials	85-87
Disinfectants	107	Lid Press	88	Spinach	26
Dog Biscuit	109	Melons, Musk	17-18	Squash	27
Dog Remedies	110	Melons, Water	19-20	Squirrel Poison	87
Drinking Fountains	102-103	Milletts	58-59	Stock Remedies	121
Egg Boxes	100	Mills, Apache	104	Stock Tonics	121
Egg Carriers	100	Mills, Black Hawk	104	Sugar Cane	60
Egg Cases	100	Mills, Wilson	104	Sunflower	60
Egg Case Fillers	100	Milo Maize	60	Sweet Peas	40-43
Egg Plant	14-15	Mushroom Spawn	17	Thermometers	98-99
Egg Preservative	100	Mustard	20	Tobacco Dust	109
Egg Scale	101	Nail Stripper	88	Tomatoes	27-28
Egg Testers	96	Nest Eggs	100	Trowels	79
Endive	15	Nests, Wire	100	Turnips	28-29
Feeding Battery	101	Nursery Stock	62-71	Vetches	60
Feed Hoppers	102-103	Okra	20	Vine Seeds and Roots	43-44
Feed, Poultry	105-107	Onions	20-21	Wafer Thermostadts	97
Feed Troughs	103	Onion Sets	21	Wire Baskets	92
Feed, Stock	120-121	Paper Holder	89	Wyandotte	121
Peterita	60				

When ordering, look for the zone

that corresponds to the distance you are away. Then note where the weight of your package is marked on the table of rates, on the same line under your ZONE will be shown the amount of postage to be added when ordering. We have catalogued the weight of most items available by parcel post, and by aid of the table here shown you can always figure your postage.

SIZE AND WEIGHT

A Parcel Post package may weigh from 4 ozs. to 70 lbs. for the first, second and third zones—with a 50-pound weight limit for from fourth to eighth zones inclusive, and must not exceed in size 84 inches in length and girth combined.

Four ounces or less will be charged for at 1c per ounce or fraction thereof, except on Books, Seeds, Plants, Bulbs, etc., which are 1c for 2 ozs. up to 8 ozs. for any distance.

IN BRITISH COLUMBIA AND CANADA

the rate on any parcel up to four ounces is one cent per ounce. All parcels over four ounces take the pound rate, which is 12 cents per pound up to 4 pounds 6 ounces.

PARCEL POST RATES

	First Pound or Fraction Thereof	Each Additional Pound or Fraction	
1st Zone	\$0.05	\$0.01	Weight Limit 70 lbs.
2nd Zone .....	.05	.01	Weight Limit 70 lbs.
3rd Zone .....	.06	.02	Weight Limit 70 lbs.
4th Zone .....	.07	.04	Weight Limit 50 lbs.
5th Zone .....	.08	.06	Weight Limit 50 lbs.
6th Zone .....	.09	.08	Weight Limit 50 lbs.
7th Zone .....	.11	.10	Weight Limit 50 lbs.
8th Zone .....	.12	.12	Weight Limit 50 lbs.

Add 2 cents additional to above postage for each package as the latest postoffice ruling requires an additional 2 cents to be added to each package.

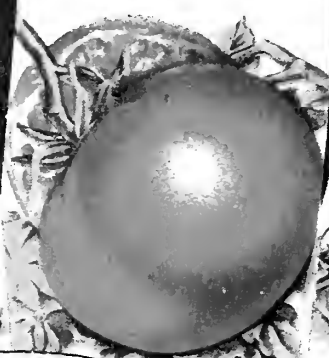
BEANS



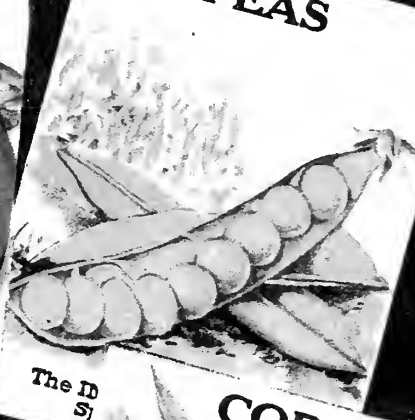
CUCUMBER



TOMATO



PEAS

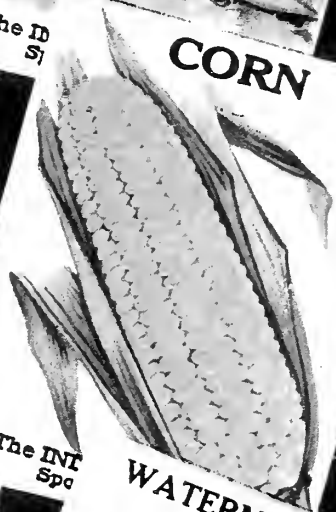


BEET



The **Inland Seed**
COMPANY
SPOKANE, WASH.

CORN



CAULIFLOWER



KOHL RABI



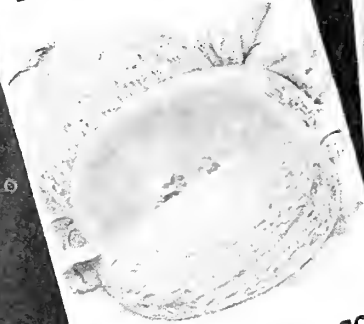
RADISH



WATERMELON



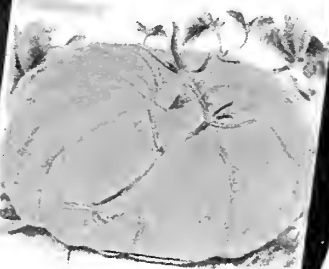
MUSKMELON



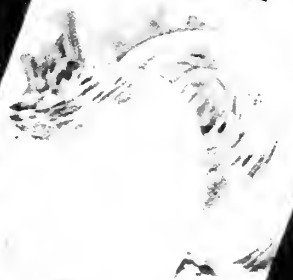
CABBAGE



PUMPKIN



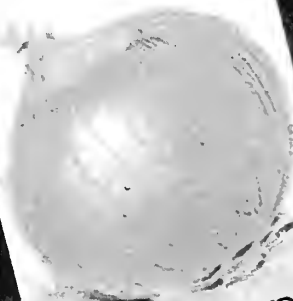
TURNIP



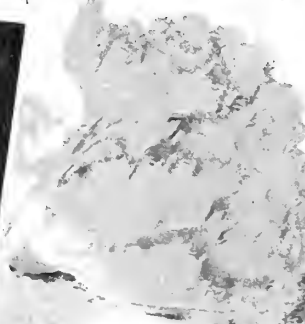
PEPPER



ONION



LETTUCE



CARROT



1927